Draft Subject to Revision 5/2611

Draft -- Potential Additional Water Supplies, Technical and Legal Issues and Potential Infrastructure Needs Necessary to Develop and Deliver Additional Supplies to Fully or Partially Offset Projected Unment Demands in 2035

Note! Basins Highlighted in Light Blue had Insignificant or No Projected Unmet Demand in 2035 (no analysis was preformed)

		2035 Supply - Demand (Projected Unmet Demand)		Potential Sources of Additional Water Supplies Sufficient to Offset a Portion of Projected Unmet Demand							
				Groundwater		Surface Water					
	Basin	Instate Supply - Low Demand	Instate Supply - High Demand	Within Basin or AMA	Basin or AMA Currently Allowed Some GW Imports From Other Legally Specified Basins	Instate	CR	CAP	Effluent	Conservation	Other
Instate Water Supplies Only	AGUA FRIA	-1,140	-1,256	√		√				√	√
	ARAVAIPA CANYON	-24	-25								
	BIG SANDY	14,519	14,500								
	BONITA CREEK	-5	-5								
	BUTLER VALLEY	3	3								
	CIENEGA CREEK	-554	-806	√		√				√	√
	COCONINO PLATEAU	936	832		√						
	DONNELLY WASH	19	19								
	DOUGLAS	-1,141	-1,644	?	√				√	√	√
	DRIPPING SPRINGS WASH	-5	-6								
	DUNCAN VALLEY	9,440	9,414								
	GILA BEND	-29,849	-36,973	?					√	√	√
	GRAND WASH	2	2								
	HUALAPAI VALLEY	-4,010	-4,675	?		?			√	√	√
	LOWER SAN PEDRO	4,228	-11,912	√		√		?	√	√	√
	MCMULLEN VALLEY	-501	-555	?						√	√
	MEADVIEW	-106	-118								
	MORENCI	-3,209	-39,242	√		√				√	√
	PARIA	-9,363	-12,868	√		?				√	√
	PEACH SPRINGS	-359	-381	√		?				√	√
	PRESCOTT AMA	-10,247	-11,861	?	√		?		√	√	√
	RANEGRAS PLAIN	-48	-55								
	SACRAMENTO VALLEY	-15,940	-22,001	√					√	√	√
	SAFFORD	-34,883	-57,224	?		√			√	√	√
	SALT RIVER	-13,329	-29,719	?		√			√	√	√
	SAN BERNARDINO VALLEY	-6	-7								
	SAN RAFAEL	-4	-6								
	SAN SIMON WASH	-142	-216								
	SANTA CRUZ AMA	11,750	10,956								
	SHIVWITS PLATEAU	0	0								
	TIGER WASH	2	2								
	TONTO CREEK	-3,461	-3,808	√		√			√	√	√
	UPPER HASSAYAMPA	-1,664	-1,813	√		√			√	√	√
	UPPER SAN PEDRO	-6,044	-17,036	√	√	√		?	√	√	√
	VERDE RIVER	-3,085	-7,610	√		√	?		√	√	√
	VIRGIN RIVER	598	563								
	WESTERN MEXICAN DRAINAGE	0	-1								
	WILLCOX	-1,213	-3,825	?					√	√	√
Instate Subtotals (Non-Highlighted Basins Only)		-135,764	-265,211								

	Potential Physical, Technical and Legal Issues Related to Acquiring, Developing and Delivering Additional Water Supplies to Offset Projected Unmet Demand[1]															
	Groundwater								Surface Water					Effluent	Other	
Basin	Decreasing Physical Availability or Aquifer Heterogenity May Limit Actual Well Production In Some Areas	Current or Near-Term GW-WQ Issues May Limit Some Uses in Some Areas	Current or Near-Term Land Subsidence Concerns In Some Areas	Documented or Potential GW/SW Impacts	Environmental Issues	Tribal Rights / Claims	Some Legal Limits or Restrictions on Well Locations and/or GW Withdrawals Exist	Complete or Partial Restrictions On Import/Export Of Groundwater Exist	Physical Availability/Extra SW Storage	SW- WQ Issues	Water Rights (Acquire or Transfer)	Environmental Issues	Tribal Rights / Claims	Environmental Issues	?	
AGUA FRIA	√	√		√	√			√	?	?	√			√	?	
ARAVAIPA CANYON																
BIG SANDY																
BONITA CREEK																
BUTLER VALLEY																
CIENEGA CREEK	√	√		√	√			√	?	?	√	√		√	?	
COCONINO PLATEAU																
DONNELLY WASH																
DOUGLAS	√	√	Y					√								
DRIPPING SPRINGS WASH																
DUNCAN VALLEY																
GILA BEND	√	√	√			√		√	?	?	√	√	√	√	?	
GRAND WASH																
HUALAPAI VALLEY	√	√				√		√					√			
LOWER SAN PEDRO	√	√		√	√	√		√	?	?	√	√	√	√	?	
MCMULLEN VALLEY	√	√	√				√	√								
MEADVIEW																
MORENCI	√	√		√	√	√		√	?	?	√	√	√	√	?	
PARIA	√	√						√	?	?	√	√		√	?	
PEACH SPRINGS	√	√				√		√	?	?	√	√	√	√	?	
PRESCOTT AMA	√	√				√	√	√					√			
RANEGRAS PLAIN																
SACRAMENTO VALLEY	√	√						√								
SAFFORD	√	√	√	√	√	√	√	√	?	?	√	√	√	√	?	
SALT RIVER	√	√		√	√	√		√	?	?	√	√	√	√	?	
SAN BERNARDINO VALLEY																
SAN RAFAEL																
SAN SIMON WASH																
SANTA CRUZ AMA																
SHIVWITS PLATEAU																
TIGER WASH																
TONTO CREEK	√	√		√		√		√	?	?	√	√	√	√	?	
UPPER HASSAYAMPA	√	√		√				√	?	?	√	√		√	?	
UPPER SAN PEDRO	√	√		√				√	?	?	√	√		√	?	
VERDE RIVER	√	√		√		√	√	√	?	?	√	√	√	√	?	
VIRGIN RIVER																
WESTERN MEXICAN DRAINAGE																
WILLCOX	√	√	√					√							?	
Instate Subtotals (Non-Highlighted Basins Only)																

	Potential Infrastructure Needs to Develop and Deliver Additional Water Supplies (For New Construction or Expansion, Upgrade, or Replacement of Existing Infrastructure)					
	Groundwater		Surface Water		Effluent	Other
Basin	Wells & Pipelines	Water Treatment Plants or Disinfection Systems	Dams, Diversion Works, Canals, Wells & Pipelines	Water Treatment Plants	WWTPs	?
AGUA FRIA	√	√	√	√		
ARAVAIPA CANYON						
BIG SANDY						
BONITA CREEK						
BUTLER VALLEY						
CIENEGA CREEK	√	√	√	√		
COCONINO PLATEAU						
DONNELLY WASH						
DOUGLAS	√	√			√	
DRIPPING SPRINGS WASH						
DUNCAN VALLEY						
GILA BEND	√	√	√	√	√	
GRAND WASH						
HUALAPAI VALLEY	√	√			√	
LOWER SAN PEDRO					√	
MCMULLEN VALLEY	√	√				
MEADVIEW						
MORENCI	√	√	√	√		
PARIA	√	√				
PEACH SPRINGS	√	√	√			
PRESCOTT AMA	√	√		√	√	
RANEGRAS PLAIN						
SACRAMENTO VALLEY	√	√			√	
SAFFORD	√	√	√		√	
SALT RIVER	√	√	√		√	
SAN BERNARDINO VALLEY						
SAN RAFAEL						
SAN SIMON WASH						
SANTA CRUZ AMA						
SHIVWITS PLATEAU						
TIGER WASH						
TONTO CREEK	√	√	√	√	√	
UPPER HASSAYAMPA	√	√	√	√	√	
UPPER SAN PEDRO	√	√	√	√	√	
VERDE RIVER	√	√	√	√	√	
VIRGIN RIVER						
WESTERN MEXICAN DRAINAGE						
WILLCOX	√	√			√	
Instate Subtotals (Non-Highlighted Basins Only)						

1 Cost is regarded as an underlying issue in the development of any additional water supplies to offset projected unmet demands.

CR = Mainstem Colorado River Water

CAP = Central Arizona Project

Instate SW = Other Surface Water

Effluent = reclaimed water

Draft Subject to Revision 5/2611

Draft -- Potential Additional Water Supplies, Technical and Legal Issues and Potential Infrastructure Needs Necessary to Develop and Deliver Additional Supplies to Fully or Partially Offset Projected Unment Demands in 2035

Note! Basins Highlighted in Light Blue had Insignificant or No Projected Unmet Demand in 2035 (no analysis was preformed)

Basins Which Receive Part of their Supply from the Colorado River or CAP	BASIN NAME	2035 Supply - Demand (Projected Unmet Demand)				Potential Sources of Additional Water Supplies Sufficient to Offset a Portion of Projected Unmet Demand							
		Instate + Normal Diversions of CR Supply		Instate + Shortage Diversions of CR Supply		Groundwater		Surface Water					
		-Low Demands	-High Demands	-Low Demands	-High Demands	Within Basin or AMA	Basin or AMA Currently Allowed Some GW Imports From Other Legally Specified Basins	Instate	CR	CAP	Effluent	Conservation	Other
Instate + CR Upper	LITTLE COLORADO RIVER PLATEAU	-23,023	-64,371	-23,023	-64,371	√		√	√		√	√	√
Instate + CR Lower Mainstem	BILL WILLIAMS	-9,718	-29,766	-9,908	-29,956	√		√	√		√	√	√
	DETRITAL VALLEY	-51	-70	-51	-70								
	KANAB PLATEAU	-946	-1,033	-966	-1,054	√		√	√		√	√	√
	LAKE HAVASU	8,833	7,865	-1,649	-2,617	√			√		√	√	√
	LAKE MOHAVE	14,772	8,641	-7,111	-13,242	√			√		√	√	√
	LOWER GILA	33,243	14,797	33,036	14,590								
	PARKER	-18,264	-20,033	-28,165	-29,934	√			√		√	√	√
	YUMA	238,622	235,680	235,028	232,086								
Instate + CAP	HARQUAHALA INA	-70,615	-70,855	-70,615	-70,855	?				√		√	√
	PHOENIX AMA	-427,492	-511,127	-619,309	-702,944	√	√			√	√	√	√
	PINAL AMA	-314,985	-337,076	-365,181	-387,272	√	√			√	√	√	√
	TUCSON AMA	27,882	18,669	-3,706	-12,918	√	√			√	√	√	√
Colorado River + CAP Basin Subtotals (Non-Highlighted basins Only)		-828,327	-1,007,727	-1,129,633	-1,315,163								
Statewide Total (Non-Highlighted Basins Only)		-964,091	-1,143,491	-1,394,844	-1,580,374								

BASIN NAME	Potential Physical, Technical and Legal Issues Related to Acquiring, Developing and Delivering Additional Water Supplies to Offset Projected Unmet Demand[1]														
	Groundwater								Surface Water					Effluent	Other
	Decreasing Physical Availability or Aquifer Heterogenity May Limit Actual Well Production In Some Areas	Current or Near-Term GW-WQ Issues May Limit Some Uses in Some Areas	Current or Near-Term Land Subsidence Concerns In Some Areas	Documented or Potential GW/SW Impacts	Environmental Issues	Tribal Rights / Claims	Some Legal Limits or Restrictions on Well Locations and/or GW Withdrawals Exist	Complete or Partial Restrictions On Import/Export Of Groundwater Exist	Physical Availability/Extra SW Storage	SW- WQ Issues	Water Rights (Acquire or Transfer)	Environmental Issues	Tribal Rights / Claims	Environmental Issues	?
LITTLE COLORADO RIVER PLATEAU	√	√		√	√	√	√	√	√	√	√	√	√	√	?
BILL WILLIAMS	√	√		√	√			√	√	√	√	√			?
DETRITAL VALLEY															
KANAB PLATEAU	√	√		√	√	√		√	√	√	√	√	√	√	?
LAKE HAVASU	√	√		√	√		√	√	√	√	√			√	?
LAKE MOHAVE	√	√		√	√	√	√	√	√	√	√		√	√	?
LOWER GILA															
PARKER	√	√		√	√	√	√	√	√	√	√		√	√	?
YUMA															
HARQUAHALA INA	√	√	√	√	√		√	√							?
PHOENIX AMA	√	√	√	√	√	√	√	√					√	√	?
PINAL AMA	√	√	√	√	√	√	√	√					√	√	?
TUCSON AMA	√	√	√	√	√	√	√	√	√	√	√	√	√	√	?
Colorado River + CAP Basin Subtotals (Non-Highlighted basins Only)															
Statewide Total (Non-Highlighted Basins Only)															

BASIN NAME	Potential Infrastructure Needs to Develop and Deliver Additional Water Supplies (For New Construction or Expansion, Upgrade, or Replacement of Existing Infrastructure)					
	Groundwater		Surface Water		Effluent	Other
	Wells & Pipelines	Water Treatment Plants or Disinfection Systems	Dams, Diversion Works, Canals, Wells & Pipelines	Water Treatment Plants	WWTPs	?
LITTLE COLORADO RIVER PLATEAU	√	√	√	√	√	
BILL WILLIAMS	√	√	√	√	√	
DETRITAL VALLEY						
KANAB PLATEAU	√	√	√	√	√	
LAKE HAVASU			√	√	√	
LAKE MOHAVE			√	√	√	
LOWER GILA						
PARKER			√		√	
YUMA						
HARQUAHALA INA	√	√				
PHOENIX AMA	√	√		√	√	
PINAL AMA	√	√		√	√	
TUCSON AMA	√	√		√	√	
Colorado River + CAP Basin Subtotals (Non-Highlighted basins Only)						
Statewide Total (Non-Highlighted Basins Only)						

1 Cost is regarded as an underlying issue in the development of any additional water supplies to offset projected unmet demands.

CR = Mainstem Colorado River Water

CAP = Central Arizona Project

Instate SW = Other Surface Water

Effluent = reclaimed water

DRAFT 5/26/11 HYDROGEOLOGIC AND CULTURAL CHARACTERISTICS OF ARIZONA GOUNDWATER BASINS

				Recent Water Level Change Trends and Depth-to-Water in Wells Measured in Basin											
Instate Water Supplies Only	Basin	Sub-basin	Basin Area (Square Miles)	Major Aquifers	Measurement Period (Beginning Year - Ending Year)	Total Number of Wells Measured	Number of Wells Measured In Basin Showing Rising Water Levels	Number of Wells Measured In Basin Showing Declining Water Levels	Number of Wells Measured In Basin Showing No Change In Water Level or Flowing Conditions	Mean Annual Positive Change Rate for Wells Showing Rises (Ft/Yr)	Mean Annual Negative Change Rate for Wells Showing Declines (Ft/Yr)	Overall Mean Water Level Change In Basin Over Measuremment Period (Feet)	Minimum Measured DTW For Ending Year (Feet - BLS)	Maximum Measured DTW for Ending Year (Feet -BLS)	Mean DTW for Ending Year (Feet - BLS)
Instate Water Supplies Only	AGUA FRIA	none	1,263	Basin Fill, Sedimentary Rock	1991 - 2008	6	3	3	0	0.1	-0.1	0.2	21	120	55
	ARAVAIPA CANYON	none	517	Recent Stream Alluvium, Basin Fill	1990 - 2007	2	2	0	0	NA	-0.1	-2.5	38	54	46
	BIG SANDY	Fort Rock	1,988	Recent Stream Alluvium, Basin Fill, Sed. Rock (R-Aquifer)	1995 - 2008	6	2	4	0	0.2	-0.4	-2.5	7	686	214
		Wikiup			1995 - 2008	37	21	16	0	0.4	-0.4	0.5	4	523	70
	BONITA CREEK	none	457	Recent Stream Alluvium, Basin Fill, Volcanic Rock	NA	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	BUTLER VALLEY	none	288	Basin Fill	1990 - 2008	20	0	20	0	NA	-1.0	-18.5	88	515	247
	CIENEGA CREEK	none	606	Recent Stream Alluvium, Basin Fill	1987 - 2005	54	19	33	2	0.2	-0.3	-1.7	2	405	113
	COCONINO PLATEAU	none	5,812	Vol. Rock, Basin Fill, Sed Rock (Moenkopi, Chinle, R, C aq.)	1994 - 2009	2	0	2	0	NA	-0.5	-8.7	95	274	185
	DONNELLY WASH	none	293	Basin Fill	NA	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DOUGLAS	Douglas	949	Basin Fill with locally Inter-bedded Volcanic Rocks	1990 - 2004	272	31	240	1	0.4	-1.2	-16.4	17	347	162
		Douglas INA			1990 - 2009	13	2	11	0	0.4	-1.3	-20.0	67	358	165
	DRIPPING SPRINGS WASH	none	378	Recent Stream Alluvium, Sed Rock (Gila Conglomerate)	1990 - 2009	2	0	2	0	NA	-0.4	-7.5	90	100	95
	DUNCAN VALLEY	none	550	Recent Stream Alluvium, Sed Rock (Gila Conglomerate)	1990 - 2007	7	2	5	0	0.1	-0.2	-1.8	23	194	76
	GILA BEND	none	1,284	Basin Fill	1993 - 2008	124	8	116	0	2.1	-4.3	-58.8	3	645	221
	GRAND WASH	none	959	Recent Stream Alluvium, Basin Fill, Vol. & Sed. Rocks	1991 - 2009	2	2	0	0	1.2	NA	23.1	10	508	259
	HUALAPAI VALLEY	none	1,212	Basin Fill, Sed. Rocks, Vol. Rocks	1991 - 2006	46	26	20	0	0.4	-0.9	-2.9	24	925	459
	LOWER SAN PEDRO	Camp Grant Wash	1,624	Recent Stream Alluvium, Basin Fill	1994 - 2006	17	3	14	0	0.2	-0.9	-9.5	9	319	72
		Mammoth			1994 - 2006	112	57	55	0	0.6	-0.6	0.2	5	606	94
	MCMULLEN VALLEY	none	649	Basin Fill	1989 - 2004	84	4	80	0	0.3	-2.2	-34.2	122	700	474
	MEADVIEW	none	190	Sedimentary Rock (Muddy Creek)	1995 - 2006	8	1	7	0	<0.1	-1.1	-11.0	397	494	439
	MORENCI	none	1,599	Recent Stream Alluvium, Volcanic Rock	1990 - 2007	1	0	1	0	NA	-0.1	-10.0	16	16	16
	PARIA	none	408	Sedimentary Rock (N- aquifer)	1991 - 2007	5	0	5	0	NA	-1.2	-19.9	111	519	322
	PEACH SPRINGS	none	1,409	Basin Fill, Sedimantary Rock (R-Aquifer)	1995 - 2009	2	1	1	0	0.4	-0.1	2.1	146	825	486
	PRESCOTT AMA	Little Chino Valley	485	Basin Fill, Igneous (Volcanic mainly) and Metamorphic Rocks	1994 - 2010	35	4	31	0	0.1	-1.4	-19.2	15	435	214
		Upper Agua Fria			1994 - 2009	20	6	14	0	0.2	-1.4	-16.1	44	652	245
	RANEGRAS PLAIN	none	912	Basin Fill	1988 - 2004	89	20	69	0	0.3	-0.9	-11.7	44	482	231
	SACRAMENTO VALLEY	none	1,587	Basin Fill and Volcanic Rocks	1990 - 2006	82	60	20	2	0.8	-0.1	8.3	<1	1229	241
	SAFFORD	Gila Valley	4,747	Recent Stream Alluvium and Basin Fill	1990 - 2008	14	6	7	1	0.4	-0.2	1.3	24	631	105
		San Carlos Valley			1992 - 2007	1	0	0	1	NA	NA	NA	722	722	722
		San Simon Valley			1987 - 2007	286	85	201	0	0.4	-1.2	-15.7	2	537	178
	SALT RIVER	Black River	5,232	Recent Stream Alluvium, Volcanic Rocks, and Sedimantary Rocks (R, C aquifers and Gila Conglomerate)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Salt River Canyon			1991 - 2007	1	0	1	0	NA	-0.3	-4.3	20	20	20
		Salt River Lakes			1991 - 2003	15	0	15	0	NA	-2.2	-30.2	46	82	68
		White River			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SAN BERNARDINO VALLEY	none	387	Recent Stream Alluvium and Volcanic Rocks	1990 - 2007	24	6	17	1	0.1	-0.4	-4.2	<1	464	74
	SAN RAFAEL	none	229	Recent Stream Alluvium and Basin Fill	1987 - 2008	6	2	4	0	0.1	-0.4	-5.2	7	209	75
	SAN SIMON WASH	none	2,284	Basin Fill	1989 - 2004	1	1	0	0	0.3	NA	4.9	6	6	6
	SANTA CRUZ AMA	none	716	Recent Stream Alluvium, Basin Fill	1987 - 2010	48	6	42	0	0.0	-0.5	-9.6	6	255	78
	SHIVWITS PLATEAU	none	1,821	Recent Stream Alluvium	1992 - 2005	1	0	0	1	NA	NA	NA	959	959	959
	TIGER WASH	none	74	Basin Fill	1993 - 2007	3	3	0	0	0.3	NA	4.1	21	217	94
	TONTO CREEK	none	955	Basin Fill, Sedimantary Rock (R, C aquifers)	1990 - 2008	9	5	3	1	0.4	-0.4	1.2	4	82	38
	UPPER HASSAYAMPA	none	787	Basin Fill	1990 - 2008	5	4	1	0	0.1	-0.4	0.1	15	817	356
	UPPER SAN PEDRO	Allen Flat	1,825	Recent Stream Alluvium, Basin Fill	1990 - 2006	7	1	6	0	0.5	-0.4	-4.7	7	373	141
		Sierra Vista			1990 - 2007	379	111	244	24	0.3	-0.5	-4.1	<1	611	116
	VERDE RIVER	Big Chino	5,661	Recent Stream Alluvium, Basin Fill Inter-bedded with Volcanic Rocks, Sedimentary Rock (Verde Fm., R, C, aquifers), Igneous and Metamorphic Rocks	1992 - 2009	60	43	16	1	0.4	-0.2	3.8	<1	694	132
		Verde Valley			1994 - 2009	174	33	138	3	0.6	-1.2	-13.1	<1	883	183
		Verde Canyon			1990 - 2009	7	1	6	0	0.8	-2.4	-41.1	85	318	173
	VIRGIN RIVER	none	434	Recent Stream Alluvium, Basin Fill, Sed. Rock (Muddy Ck. Fm.)	1990 -2009	3	2	1	0	0.3	-0.1	3.4	46	313	168
	WESTERN MEXICAN DRAINAGE	none	610	Basin Fill	1991 - 2004	5	1	4	0	0.4	-0.5	-4.2	28	99	74
	WILLCOX	none	1,911	Recent Stream Alluvium and Basin Fill	1990 - 2005	587	27	560	0	0.7	-2.0	-32.1	3	730	211
		Instate Subtotals	53,092			2,684	611	2,035	38						

Basins Which Receive Part of their Supply from the Colorado River or CAP	Basin	Sub-basin	Basin Area (Square Miles)	Major Aquifers	Recent Water Level Change Trends and Depth-to-Water in Wells Measured in Basin										
					Measurement Period (Beginning Year - Ending Year)	Total Number of Wells Measured	Number of Wells Measured In Basin Showing Rising Water Levels	Number of Wells Measured In Basin Showing Declining Water Levels	Number of Wells Measured In Basin Showing No Change In Water Level or Flowing	Mean Annual Positive Change Rate for Wells Showing Rises (Ft/Yr)	Mean Annual Negative Change Rate for Wells Showing Declines (Ft/Yr)	Overall Mean Water Level Change In Basin Over Measuremment Period (Feet)	Minimum Measured DTW For Ending Year (Feet - BLS)	Maximum Measured DTW for Ending Year (Feet -BLS)	Mean DTW for Ending Year (Feet - BLS)
Instate + CR Upper	LITTLE COLORADO RIVER PLATEAU	none	26,700	Rec. Strm. Alluv., Vol & Sed. Rk. (C, D, N and other Aq.)	1991 - 2004	64	12	51	1	0.8	-1.4	-14.5	12	1241	230
Instate + CR Lower Mainstem	BILL WILLIAMS	Burro Creek	3,350	Recent Stream Alluvium, Basin Fill and Volcanic Rocks	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Alamo Reservoir			1991 - 2009	3	2	1	0	0.1	-0.2	0.2	51	640	276
		Clara Peak			1991 - 2008	1	1	0	0	0.3	NA	5.4	22	22	22
		Skull Valley			1991 - 2009	7	3	4	0	0.3	-1.3	-11.1	37	248	150
		Santa Maria			1991 - 2009	5	2	3	0	0.2	-0.1	0.2	19	91	55
	DETRITAL VALLEY	none	892	Rec. Strm. Alluv., Basin Fill, Sed. And Vol. Rocks	1995 - 2006	15	10	5	0	0.2	-0.8	-1.4	7	773	354
	KANAB PLATEAU	none	4,247	Recent Stream Alluvium and Sedimentary Rock	1992 - 2009	2	1	1	0	<0.1	<-0.1	0.4	484	611	548
	LAKE HAVASU	none	252	Basin Fill	1991 - 2009	1	1	0	0	1.3	NA	25.3	28	28	28
	LAKE MOHAVE	none	980	Recent Stream Alluvium	1991 - 2009	2	1	1	0	1.2	-0.1	10.0	346	427	387
	LOWER GILA	Childs Valley	7,309	Recent Stream Alluvium, Basin Fill	1992 - 2007	1	1	0	0	0.9	NA	14.2	676	676	676
		Dendora Valley			1992 - 2009	1	0	1	0	NA	-1.7	-30.4	96	96	96
		Wellton - Mohawk			1992 - 2007	20	9	11	0	0.3	-0.4	-1.1	12	383	141
	PARKER	Cibola Valley	2,229	Recent Stream Alluvium, Sedimentary Rock (Bouse Fm.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		er Indian Reservation			1991 - 2010	1	0	1	0	NA	>-0.1	-0.1	78	78	78
		La Posa Plains			1992 - 2009	3	0	3	0	NA	-0.9	-17.1	66	510	238
	YUMA	none	792	Basin Fill	1992 - 2009	4	0	4	0	NA	-0.4	-7.0	16	121	56
Instate + CAP	HARQUAHALA INA	none	766	Basin Fill	1993 - 2009	27	18	9	0	1.4	-1.1	9.9	28	607	342
	PHOENIX AMA	Carefree	5,646	Recent Alluvium, Basin Fill with locally inter-bedded volcanics, sedimentary rocks (conglomerate)	1991 - 2009	1	1	0	0	2.7	NA	50.6	94	94	94
		Fountain Hills			1991 - 2009	7	4	3	0	0.4	-2.1	-12.7	13	663	194
		Hassayampa			1991 - 2009	35	18	17	0	0.9	-0.2	6.8	24	658	234
		Lake Pleasant			1991 - 2009	3	2	1	0	0.6	-0.4	4.9	27	275	169
		Rainbow Valley			1991 - 2008	22	8	14	0	0.7	-0.6	-1.4	256	582	370
		West Salt River			1991 - 2009	273	111	162	0	1.7	-1.0	1.9	16	525	182
	PINAL AMA	Aguirre Valley	4,000	Recent Stream Alluvium, Basin Fill	1993 - 2007	1	0	1	0	NA	-0.8	-11.9	273	273	273
		Eloy			1993 - 2008	490	314	175	1	1.3	-1.8	3.5	32	619	195
		Maricopa-Stanfield			1993 - 2008	174	140	33	1	3.4	-1.0	38.9	52	674	314
		Santa Rosa			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Vekol Valley			1993 - 2007	12	3	9	0	0.1	-0.1	-0.8	213	529	351
	TUCSON AMA	Avra Valley	3,866	Recent Stream Alluvium, Basin Fill, Sedimantary Rocks	1994 - 2010	131	98	33	0	1.9	-1.0	18.0	5	745	300
		Upper Santa Cruz			1994 - 2010	529	78	450	0	1.2	-1.7	-19.8	7	620	215
		Colorado River + CAP Basin Subtotals	61,029			2,007	987	1,016	3						
		Statewide Totals	114,121			4,691	1,598	3,051	41						

CR = Mainstem Colorado River Water

CAP = Central Arizona Project

Instate SW = Other Surface Water

DRAFT 5/26/11 HYDROGEOLOGIC AND CULTURAL CHARACTERISTICS OF ARIZONA GOUNDWATER BASINS

				Groundwater					Effluent		River & Streams		Springs				Tribal			
Instate Water Supplies Only	Basin	Sub-basin	Basin Area (Square Miles)	Estimated Natural Recharge (AF/Yr)	Adjusted Estimated Groundwater in Storage (AF/Yr)	2006 Baseline Groundwater Demand (AF/Yr)	Is Baseline GW Demand Estimated to Be Physically Available For at Least 100 Years?	Has There Been Documented Land Subsidence In Basin?	2006 Baseline Effluent Directly Used (AF/Yr)	2006 Baseline Effluent Generated (AF/Yr)	Perennial Stream (Miles)	Documented Historic or Current GW/SW Impacts?	Number of Major (>10GPM)	Estimated Annual Discharge (AF/YR)	Number of Minor (<10GPM)	Estimated Annual Discharge (AF/YR)	Number of Tribes With Lands In Basin	Total Tribal Area in Basin (Sq. Miles)	Ratio Tribal Land / Total Basin Area	Percentage of Tribal Entitlements "Assigned" to basin (Low to High for basins with 2 or more tribes)
Instate Water Supplies Only	AGUA FRIA	none	1,263	9,000	480,000	3,602	Y		0	30	107	?	5	22	14	2				
	ARAVAIPA CANYON	none	517	7,000	4,000,000	514	Y		0	0	50	N	7	16	18	10	1	6	0.01	0.00
	BIG SANDY	Fort Rock Wikiup	1,988	22,000	7,600,000	15,028	Y		0	0	49	?	6	16	11	8	1	4		0.00
	BONITA CREEK	none	457	9,000	800,000	0	Y		0	0	14	N	1	32	4	13	1	404	0.88	0.00
	BUTLER VALLEY	none	288	1,000	1,600,000	14,503	?		0	0	0	N								
	CIENEGA CREEK	none	606	8,500	4,080,000	1,101	Y		0	100	46	?	8	694	2	6				
	COCONINO PLATEAU	none	5,812	NA	2,400,000	500	Y		273	1700	197	Y	29	163,882	28	13	3	2191	0.38	.07 to 1.00
	DONNELLY WASH	none	293	3,000	112,000	19	Y		0	0	3	N								
	DOUGLAS	Douglas Douglas INA	949	15,500	16,640,000	53,300	?	Y	0	1400	2	?			6	6				
	DRIPPING SPRINGS WASH	none	378	3,000	120,000	11	Y		0	0	7	N	2	323			1	224	0.59	
	DUNCAN VALLEY	none	550	6,000	7,200,000	8,054	Y		0	50	26	Y	2	48	1	10				
	GILA BEND	none	1,284	10,000	13,600,000	295,323	N	Y	0	800	0	Y					2	52	0.04	.00 to 1.00
	GRAND WASH	none	959	NA	NA	2	Y		0	0	4	N	6	121	9	2				
	HUALAPAI VALLEY	none	1,212	2,000	2,400,000	9,109	?		0	1800	21	N	3	40	19	11	1	12	0.01	0.00
	LOWER SAN PEDRO	Camp Grant Wash Mammoth	1,624	24,000	8,800,000	23,677	Y		145	700	77	Y	12	3,115	30	142	1	23	0.01	0.00
	MCMULLEN VALLEY	none	649	1,000	11,200,000	71,500	?	Y	0	7	0	?								
	MEADVIEW	none	190	4,000	800,000	145	Y		0	0	7	N	6	450	2	12	1	3	0.01	0.00
	MORENCI	none	1,599	15,000	2,400,000	9,126	Y		0	200	355	?	9	968	8	32	1	357	0.22	0.00
	PARIA	none	408	NA	12,000,000	120	Y		0	0	27	N								
	PEACH SPRINGS	none	1,409	NA	800,000	351	Y		0	100	14	N	14	9,409	5	29	1	845	0.60	1.00
	PRESCOTT AMA	Little Chino Valley Upper Agua Fria	485	8,200	2,400,000	17,679	?		2534	6900	0	Y	1	1,410	9	46	1	2	<.01	1.00
	RANEGRAS PLAIN	none	912	1,000	7,200,000	29,350	?	Y	0	0	0	N								
	SACRAMENTO VALLEY	none	1,587	1,000	2,880,000	3,765	Y		0	300	5	N	12	418	45	210				
	SAFFORD	Gila Valley San Carlos Valley San Simon Valley	4,747	105,000	21,600,000	87,958	Y,?	Y	500	2600	157	Y	23	7,966	31	108	1	1408	0.30	1.00
	SALT RIVER	Black River Salt River Canyon Salt River Lakes White River	5,232	178,000	6,960,000	12,611	Y,?		0	2600	1,187	?	26	28,555	2	11	2	3112	0.59	.00 to 1.00
	SAN BERNARDINO VALLEY	none	387	9,000	1,280,000	19	Y		0	0	2	?			1	5				
	SAN RAFAEL	none	229	5,000	3,200,000	22	Y		0	0	14	?			1	2				
	SAN SIMON WASH	none	2,284	11,000	5,360,000	1,500	Y		0	400	0	?					1	2270	0.99	0.00
	SANTA CRUZ AMA	none	716	50,800	128,000	20,980	Y		0	16311	0	Y	2	673	1	6				
	SHIVWITS PLATEAU	none	1,821	NA	NA	2	Y		0	0	61	N	1	534	5	13	1	2	<.01	0.00
	TIGER WASH	none	74	1,000	560,000	2	Y		0	0	0	N								
	TONTO CREEK	none	955	17,000	1,600,000	3,000	Y		200	7	129	?	10	4,543	7	50	1	<1	<.01	0.20
	UPPER HASSAYAMPA	none	787	8,000	800,000	3,286	Y		0	600	52	Y								
	UPPER SAN PEDRO	Allen Flat Sierra Vista	1,825	35,800	15,840,000	23,957	Y		830	5300	101	Y	12	1,075	4	29				
	VERDE RIVER	Big Chino Verde Valley Verde Canyon	5,661	107,000	10,400,000	28,549	Y		784	6200	475	Y	90	97,214	95	1,585	2	1	<.01	.80 to 1.00
	VIRGIN RIVER	none	434	30,000	1,360,000	1,585	Y		0	10	47	Y	2	37,938						
	WESTERN MEXICAN DRAINAGE	none	610	1,000	2,400,000	6	Y		0	0	0	N	1	45	2	8	1	1	<.01	0.00
	WILLCOX	none	1,911	15,000	33,600,000	175,714	?	Y	211	500	32	Y								
		Instate Subtotals	53,092	723,800	214,600,000	915,970			5,477	48,615	3,268		290	359,507	360	2,369		10,917		

DRAFT 5/26/11 HYDROGEOLOGIC AND CULTURAL CHARACTERISTICS OF ARIZONA GOUNDWATER BASINS

Basins Which Receive Part of their Supply from the Colorado River or CAP	Basin	Sub-basin	Basin Area (Square Miles)	Groundwater: Estimated Natural Recharge (AF/Yr)	Groundwater: Adjusted Estimated Groundwater in Storage (AF/Yr)	Groundwater: 2006 Baseline Groundwater Demand (AF/Yr)	Groundwater: Is Baseline GW Demand Estimated to Be Physically Available For at Least 100 Years?	Groundwater: Has There Been Documented Land Subsidence In Basin?	Effluent: 2006 Baseline Effluent Directly Used (AF/Yr)	Effluent: 2006 Baseline Effluent Generated (AF/Yr)	Rivers & Streams: Perennial Stream (Miles)	Rivers & Streams: Documented Historic or Current GW/SW Impacts?	Springs: Number of Major (>10GPM)	Springs: Estimated Annual Discharge (AF/YR)	Springs: Number of Minor (<10GPM)	Springs: Estimated Annual Discharge (AF/YR)	Tribal: Number of Tribes With Lands In Basin	Tribal: Total Tribal Area in Basin (Sq. Miles)	Tribal: Ratio Tribal Land / Total Basin Area	Tribal: Percentage of Tribal Entitlements "Assigned" to basin (Low to High for basins with 2 or more tribes)
Instate + CR Upper	LITTLE COLORADO RIVER PLATEAU	none	26,700	344,600	763,200,000	96,186	Y		14900	36100	884	Y	67	20,320	161	678	5	17,239	0.65	0.00 to 1.00
Instate + CR Lower Mainstem	BILL WILLIAMS	Burro Creek	3,350	32,000	8,000,000	3,251	Y		200	200	152	N	6	29	13	15				
		Alamo Reservoir																		
		Clara Peak																		
		Skull Valley																		
		Santa Maria																		
	DETRITAL VALLEY	none	892	1,000	800,000	159	Y		0	7	27	N	1	1,936	4	10				
	KANAB PLATEAU	none	4,247	NA	NA	2,799	?		0	500	139	N	38	30,265	23	15	3	189	0.04	0.00 to 1.00
	LAKE HAVASU	none	252	35,000	800,000	0	Y		2433	3400	38	Y								
	LAKE MOHAVE	none	980	183,000	960,000	10,007	Y		715	3100	122	Y	10	1,344	2	10	1	37	0.04	1.00
	LOWER GILA	Childs Valley	7,309	9,000	80,000,000	110,616	?		0	300	11	Y					1	164	0.02	0.00
		Dendora Valley																		
		Wellton - Mohawk																		
	PARKER	Cibola Valley	2,229	241,000	11,200,000	1,787	Y		1116	2100	147	Y					1	391	0.18	1.00
		er Indian Reservation																		
		La Posa Plains																		
	YUMA	none	792	213,000	27,200,000	108,847	Y		460	13500	53	Y					2	14	0.02	1.00
Instate + CAP	HARQUAHALA INA	none	766	1,000	10,400,000	66,055	?	Y	0	0	0	?								
	PHOENIX AMA	Carefree	5,646	172,300	64,320,000	673,755	Y	Y	168331	315000	0	Y	2	242	4	16	3	430	0.08	.70 to 1.00
		Fountain Hills																		
		Hassayampa																		
		Lake Pleasant																		
		Rainbow Valley																		
		West Salt River																		
	PINAL AMA	Aguirre Valley	4,000	96,300	28,160,000	431,290	Y	Y	4614	6900	0	Y					3	2,112	0.53	.30 to 1.00
		Eloy																		
		Maricopa-Stanfield																		
		Santa Rosa																		
		Vekol Valley																		
	TUCSON AMA	Avra Valley	3,866	99,100	48,800,000	216,996	Y	Y	14336	74235	52	Y	8	774	2	6	3	172	0.04	.69 to 1.00
		Upper Santa Cruz																		
Colorado River + CAP Basin Subtotals			61,029	1,427,300	1,043,840,000	1,721,748			207,105	455,342	1,625		132	54,910	209	750		20,747		
Statewide Totals			114,121	2,151,100	1,258,440,000	2,637,718			212,582	503,957	4,893		422	414,417	569	3,119		31,664		

CR = Mainstem Colorado River Water

CAP = Central Arizona Project

Instate SW = Other Surface Water

Draft Subject to Revision 5/26/11

Draft --- Projected Unmet Water Demand in 2035 For Arizona Groundwater Basins

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
		Projected Change in Demand Per Sector From Baseline to 2035 (Acre-Feet / Year)																														
	BASIN NAME	Ag	Muni	Tribal AMA (Only) Ag	Tribal AMA (Only) Ind.	Dairy	Feedlots	Other Industrial	Mining Low	Mining High	Rock Products Low	Rock Products High	Power Plants Low	Power Plants High	Turf Low	Turf High	Total Change In Projected Demand From Baseline (Low)	Total Change In Projected Demand From Baseline (High)	2035 Projected Demand Total Low	2035 Projected Demand Total High	2035 Total Projected Supply				2035 Supply - Demand (Projected Unmet Demand) Instate Supply - Low Demand	2035 Supply - Demand (Projected Unmet Demand) Instate Supply - High Demand			Ratio (Projected Unmet Demand/Projected Total Demand) Column Z / Column T		Ratio (Projected Unmet Demand/Projected Total Demand) Column AB / Column U	
Instate Water Supplies Only	AGUA FRIA	0	1088	NA	0	0	0	0	0	0	81	198	0	0	0	0	1170	1286	4,772	4,888				3,632	-1,140	-1,256			-0.24		-0.26	
	ARAVAIPA CANYON	0	-2	NA	0	0	0	0	0	0	1	1	0	0	0	0	-1	0	1,013	1,014				989	-24	-25			-0.02		-0.02	
	BIG SANDY	0	225	NA	0	0	0	0	-14717	-14717	-27	-9	0	0	0	0	-14519	-14500	509	528				15,028	14,519	14,500			28.50		27.48	
	BONITA CREEK	0	5	NA	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5				0	-5	-5			-1.00		-1.00	
	BUTLER VALLEY	0	-3	NA	0	0	0	0	0	0	0	0	0	0	0	0	-3	-3	14,500	14,500				14,503	3	3			0.00		0.00	
	CIENEGA CREEK	0	318	NA	0	0	0	0	300	500	36	88	0	0	0	0	654	906	1,755	2,007				1,201	-554	-806			-0.32		-0.40	
	COCONINO PLATEAU	0	348	NA	0	0	0	0	0	0	75	179	0	0	0	0	423	528	1,596	1,701				2,533	936	832			0.59		0.49	
	DONNELLY WASH	0	-19	NA	0	0	0	0	0	0	0	0	0	0	0	0	-19	-19	0	0				19	19	19			NA		NA	
	DOUGLAS	0	2333	NA	0	0	0	0	0	0	208	498	1	2	0	211	2541	3044	55,841	56,344				54,700	-1,141	-1,644			-0.02		-0.03	
	DRIPPING SPRINGS WASH	0	3	NA	0	0	0	0	0	0	1	3	0	0	0	0	5	6	16	17				11	-5	-6			-0.30		-0.37	
	DUNCAN VALLEY	0	-4	NA	0	1	0	0	0	0	18	44	0	0	0	0	15	41	8,069	8,094				17,509	9,440	9,414			1.17		1.16	
	GILA BEND	0	582	NA	0	5108	0	0	0	0	57	136	13702	20747	0	0	19449	26573	377,271	384,396				347,423	-29,849	-36,973			-0.08		-0.10	
	GRAND WASH	0	-2	NA	0	0	0	0	0	0	0	0	0	0	0	0	-2	-2	0	0				2	2	2			NA		NA	
	HUALAPAI VALLEY	0	5495	NA	0	0	0	0	0	0	315	769	0	0	0	211	5810	6475	14,919	15,584				10,909	-4,010	-4,675			-0.27		-0.30	
	LOWER SAN PEDRO	0	192	NA	0	0	0	0	-3544	12456	-323	-184	0	0	0	0	-3675	12465	20,948	37,087				25,175	4,228	-11,912			0.20		-0.32	
	MCMULLEN VALLEY	0	470	NA	0	0	0	0	0	0	39	93	0	0	0	0	508	562	72,008	72,062				71,507	-501	-555			-0.01		-0.01	
	MEADVIEW	0	98	NA	0	0	0	0	0	0	8	20	0	0	0	0	106	118	251	263				145	-106	-118			-0.42		-0.45	
	MORENCI	0	-149	NA	0	0	0	0	3891	39891	24	57	0	0	0	0	3766	39799	14,150	50,183				10,941	-3,209	-39,242			-0.23		-0.78	
	PARIA	0	28	NA	0	0	0	0	0	0	3	8	9332	12832	0	0	9363	12868	9,483	12,988				120	-9,363	-12,868			-0.99		-0.99	
	PEACH SPRINGS	0	144	NA	0	0	0	0	300	300	14	36	0	0	0	0	459	481	810	832				451	-359	-381			-0.44		-0.46	
	PRESCOTT AMA	-1518	15440	NA	0	0	0	0	0	0	930	2408	16	22	109	239	14976	16591	36,863	38,478				26,616	-10,247	-11,861			-0.28		-0.31	
	RANEGRAS PLAIN	0	42	NA	0	0	0	0	0	0	5	13	0	0	0	0	48	55	29,398	29,405				29,350	-48	-55			0.00		0.00	
	SACRAMENTO VALLEY	0	5103	NA	0	0	0	0	7910	11910	180	432	3046	4644	0	211	16240	22301	20,005	26,067				4,065	-15,940	-22,001			-0.80		-0.84	
	SAFFORD	0	614	NA	0	0	0	0	4956	26956	52	394	0	0	0	0	5623	27964	193,081	215,423				158,198	-34,883	-57,224			-0.18		-0.27	
	SALT RIVER	0	512	NA	0	0	0	0	11553	27553	-229	4	420	577	0	0	12256	28646	39,460	55,850				26,131	-13,329	-29,719			-0.34		-0.53	
	SAN BERNARDINO VALLEY	0	6	NA	0	0	0	0	0	0	0	1	0	0	0	0	6	7	25	26				19	-6	-7			-0.25		-0.27	
	SAN RAFAEL	0	3	NA	0	0	0	0	0	0	1	2	0	0	0	0	4	6	26	28				22	-4	-6			-0.17		-0.21	
	SAN SIMON WASH	0	489	NA	0	0	0	0	0	0	53	127	0	0	0	0	542	616	2,042	2,116				1,900	-142	-216			-0.07		-0.10	
	SANTA CRUZ AMA	529	3845	NA	0	0	0	0	0	0	149	630	38	52	1	300	4561	5355	25,541	26,336				37,291	11,750	10,956			0.46		0.42	
	SHIVWITS PLATEAU	0	0	NA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2				2	0	0			-0.07		-0.11	
	TIGER WASH	0	-2	NA	0	0	0	0	0	0	0	0	0	0	0	0	-2	-2	0	0				2	2	2			NA		NA	
	TONTO CREEK	0	3121	NA	0	0	0	0	0	0	97	233	0	0	0	211	3218	3565	7,418	7,765				3,957	-3,461	-3,808			-0.47		-0.49	
	UPPER HASSAYAMPA	0	2159	NA	0	0	0	0	0	0	106	255	0	0	0	0	2264	2413	5,551	5,699				3,886	-1,664	-1,813			-0.30		-0.32	
	UPPER SAN PEDRO	0	7746	NA	0	0	0	0	2000	12000	546	1415	0	0	0	123	10292	21283	39,528	50,520				33,484	-6,044	-17,036			-0.15		-0.34	
	VERDE RIVER	0	8630	NA	0	0	0	0	1000	4000	-407	676	0	0	0	443	9223	13749	53,750	58,275				50,665	-3,085	-7,610			-0.06		-0.13	
	VIRGIN RIVER	0	375	NA	0	0	0	0	0	0	25	59	0	0	0	0	400	435	2,705	2,740				3,303	598	563			0.22		0.21	
	WESTERN MEXICAN DRAINAGE	0	0	NA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	7				6	0	-1			-0.07		-0.11	
	WILLCOX	0	655	NA	0	0	0	0	300	300	83	200	456	2952	0	0	1494	4107	177,569	180,182				176,357	-1,213	-3,825			-0.01		-0.02	
Instate Subtotals		-989	59890	0	0	5109	0	0	13950	121150	2123	8789	27011	41828	109	1949	107203	237725	1,230,889	1,361,411				1,132,053	-98,836	-229,358						

Basins Which Receive Part of their Supply from the Colorado River or CAP	BASIN NAME	Ag	Muni	Tribal AMA (Only) Ag	Tribal AMA (Only) Ind.	Dairy	Feedlots	Other Industrial	Mining Low	Mining High	Rock Products Low	Rock Products High	Power Plants Low	Power Plants High	Turf Low	Turf High	Total Change In Projected Demand From Baseline (Low)	Total Change In Projected Demand From Baseline (High)	2035 Projected Demand Total Low	2035 Projected Demand Total High	Total Supply Normal Year1	Total Supply Shortage Year	2035 Supply - Demand (Projected Unmet Demand) Instate + Normal Diversions of CR Supply -Low Demands	2035 Supply - Demand (Projected Unmet Demand) Instate + Normal Diversions of CR Supply -High Demands	2035 Supply - Demand (Projected Unmet Demand) Instate + Shortage Diversions of CR Supply -Low Demands	2035 Supply - Demand (Projected Unmet Demand) Instate + Shortage Diversions of CR Supply -High Demands	Ratio (Projected Unmet Demand/Projected Total Demand) Column Z / Column T	Ratio (Projected Unmet Demand/Projected Total Demand) Column AA / Column U	Ratio (Projected Unmet Demand/Projected Total Demand) Column AB / Column T	Ratio (Projected Unmet Demand/Projected Total Demand) Column AC / Column U
		Projected Change in Demand Per Sector From Baseline to 2035 (Acre-Feet / Year)																													
Instate + CR Upper	LITTLE COLORADO RIVER PLATEAU	0	15,723	NA	0	1	0	0	299	299	1,540	4,159	39,834	78,472	0	90	57,396	98,743	218,219	259,566	195,196	195,196	-23,023	-64,371	-23,023	-64,371	-0.11	-0.25	-0.11	-0.25
Instate + CR Lower Mainstem	BILL WILLIAMS	0	314	NA	0	0	0	0	9,800	29,800	34	82	0	0	0	0	10,148	30,196	14,298	34,346	4,580	4,389	-9,718	-29,766	-9,908	-29,956	-0.68	-0.87	-0.69	-0.87
	DETRITAL VALLEY	0	88	NA	0	0	0	0	0	0	14	33	0	0	0	0	102	121	410	430	360	360	-51	-70	-51	-70	-0.12	-0.16	-0.12	-0.16
	KANAB PLATEAU	0	1,385	NA	0	0	0	0	0	0	63	150	0	0	0	0	1,448	1,535	5,075	5,163	4,129	4,109	-946	-1,033	-966	-1,054	-0.19	-0.20	-0.19	-0.20
	LAKE HAVASU	0	14,966	NA	0	0	0	0	0	0	481	1,239	0	0	0	211	15,446	16,415	31,577	32,545	40,410	29,928	8,833	7,865	-1,649	-2,617	0.28	0.24	-0.05	-0.08
	LAKE MOHAVE	0	14,464	NA	0	0	0	0	0	0	407	1,084	10,097	15,383	0	168	24,967	31,098	140,846	146,977	155,618	133,735	14,772	8,641	-7,111	-13,242	0.10	0.06	-0.05	-0.09
	LOWER GILA	-17,465	656	NA	0	5,035	3,360	0	0	18,000	83	200	1,313	1,642	0	0	-7,018	11,428	497,669	516,115	530,912	530,705	33,243	14,797	33,036	14,590	0.07	0.03	0.07	0.03
	PARKER	0	871	NA	0	0	0	0	300	300	102	245	5,563	6,979	0	211	6,836	8,606	654,752	656,521	636,488	626,587	-18,264	-20,033	-28,165	-29,934	-0.03	-0.03	-0.04	-0.05
	YUMA	-28,385	31,284	NA	0	0	0	0	0	0	1,298	3,448	1,403	2,126	35	104	5,635	8,577	864,110	867,052	1,102,732	1,099,138	238,622	235,680	235,028	232,086	0.28	0.27	0.27	0.27
Instate + CAP	HARQUAHALA INA	0	117	NA	0	0	0	0	0	0	7	18	-189	40	0	0	-65	175	136,670	136,910	66,055	66,055	-70,615	-70,855	-70,615	-70,855	-0.52	-0.52	-0.52	-0.52
	PHOENIX AMA	-422,098	815,705	307,449	0	-10,080	0	23,852	15,000	25,000	21,734	66,724	57,167	104,698	6,516	16,211	815,243	927,460	2,985,423	3,097,639	2,557,931	2,586,512	2,366,114	2,394,695	-427,492	-511,127	-619,309	-702,944	-0.14	-0.17	-0.21	-0.23
	PINAL AMA	-229,354	120,727	42,476	0	10,080	0	2,618	4,000	18,000	2,167	6,879	4,039	5,590	6,372	8,200	-36,875	-14,784	985,887	1,007,978	670,902	670,902	620,706	620,706	-314,985	-337,076	-365,181	-387,272	-0.32	-0.33	-0.37	-0.38
	TUCSON AMA	-21,513	92,926	9,777	0	-110	0	-856	4,095	39,095	3,329	13,319	257	1,349	0	1,165	87,905	135,152	425,148	472,395	453,030	491,064	421,442	459,477	27,882	18,669	-3,706	-12,918	0.07	0.04	-0.01	-0.03
Colorado River + CAP Basin Subtotals		-718,816	1,109,225	359,702	0	4,925	3,360	25,614	33,494	130,494	31,259	97,580	119,484	216,279	12,923	26,360	981,169	1,254,722	6,960,084	7,233,637	6,418,342	6,484,957	6,098,463	6,165,079	-541,742	-748,679	-861,621	-1,068,557				
STATEWIDE		-719,804	1,169,115	359,702	0	10,033	3,359	25,613	47,444	251,644	33,382	106,368	146,495	258,107	13,032	28,309	1,088,372	1,492,447	8,190,973	8,595,048	7,550,395	7,617,010	7,230,516	7,297,132	-640,578	-978,038	-960,457	-1,297,916				

CR = Mainstem Colorado River Water

CAP = Central Arizona Project

CAP System Loss = -5% of Diversion (Not Avilable For Supply)

Instate SW = Other Surface Water

Effluent = reclaimed water