

**WATER MANAGEMENT PLAN UPDATE  
MODEL DEMANDS**

DEMAND CATEGORY / PARAMETER	AVERAGE MODEL DEMANDS (1940-2016)	MAXIMUM MODEL DEMANDS (1940-2016)	UNITS
<b>Firm Demands</b>			
<b>City of Austin - Municipal Demand</b>	<b>189,400</b>	<b>215,900</b>	<b>ac-ft</b>
FPP Demand	11,300	17,900	ac-ft
Ferguson Demand	1,800	1,800	ac-ft
<b>LCRA - Power Plant Demand</b>	<b>13,100</b>	<b>19,700</b>	<b>ac-ft</b>
City of Austin at FPP Demand	6,500	10,300	ac-ft
City of Austin at Decker Demand	5,300	8,300	ac-ft
<b>City of Austin - Power Plant Demand</b>	<b>11,800</b>	<b>18,600</b>	<b>ac-ft</b>
Miscellaneous Firm Contract Demand	77,400	84,900	ac-ft
Domestic Use	4,700	5,100	ac-ft
BRA - HB 1437 Demand	4,400	4,800	ac-ft
Pflugerville Demand	9,000	9,800	ac-ft
Leander Demand	9,800	10,700	ac-ft
Matagorda Manufacturing and Mining Demand	13,400	14,700	ac-ft
<b>Other Municipal and Industrial Demands</b>	<b>118,700</b>	<b>130,000</b>	<b>ac-ft</b>
<b>Total Firm Demand:</b>	<b>333,000</b>	<b>384,200</b>	<b>ac-ft</b>
<b>STPNOC Demand from Cooling Reservoir</b>	<b>39,400</b>	<b>39,400</b>	<b>ac-ft</b>
<b>Corpus Christi Garwood Water Right</b>	<b>35,000</b>	<b>35,000</b>	<b>ac-ft</b>
<b>Interruptible Agricultural Demand</b>			
Garwood Irrigation Demand	88,000	100,000	ac-ft
Gulf Coast Irrigation Demand	139,000	156,700	ac-ft
Lakeside Irrigation Demand	114,000	135,300	ac-ft
Pierce Ranch Irrigation Demand	27,000	30,000	ac-ft
<b>Interruptible Agricultural Demand:</b>	<b>368,000</b>	<b>422,000</b>	<b>ac-ft</b>

Note: Model includes a 20,000 ac-ft/yr demand representing conveyance adjustments and emergency releases amounting to an average of 30 cfs on a daily basis. These releases include hydropower roundup and other adjustments to help meet downstream demands, given highly variable downstream gains and losses.

This information is for discussion only.  
This is not a forecast of future conditions.

**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**PERIOD-OF-RECORD QUICK SUMMARY**  
 Prepared for WMP update

<i>PERIOD-OF-RECORD RESULTS</i> (1940 - 2016)		07-12-2018	
DEMAND CATEGORY / PARAMETER		Run	UNITS
<b>REF</b>	<b>Firm Demands</b>		
	Maximum Firm Demand:	384,200	ac-ft
	<b>Maximum Firm Supply:</b>	<b>384,200</b>	ac-ft
<b>REF</b>	<b>Lake Level</b>		
[1]	% of months combined storage below 900,000 ac-ft	3%	
[2]	% of months combined storage below 600,000 ac-ft	0%	
[3]	Minimum combined storage in lakes Buchanan and Travis	624,573	ac-ft
<b>REF</b>	<b>Interruptible Irrigation - All Divisions</b>		
[4]	Number of years first crop partially curtailed	8	yr
[5]	Number of years no stored water available for first crop	11	yr
[6]	Number of years first crop cut-off mid-season	0	
[7]	Number of years second crop partially curtailed	12	yr
[8]	Number of years no stored water available for second crop	14	yr
[9]	Number of years second crop cut-off mid-season	0	
<b>REF</b>	<b>Environmental - Bay and Estuary (B&amp;E)</b>		
[10]	Average annual Matagorda Bay inflow volume	1,605,843	ac-ft
[11]	Average monthly salinity in Matagorda Bay	22	ppt
[12]	Max # of sequential months Matagorda Bay salinity exceeds 27.5 ppt	22	
[13]	% of months Threshold inflow criteria are met (Goal 100%)	94%	
[14]	% of months Subsistence IF criteria met at Columbus (Goal 100%)	100%	

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**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**DROUGHT QUICK SUMMARY**  
 Prepared for WMP update

<b>DROUGHT RESULTS</b> (January 2010 - December 2015)		<b>07-12-2018</b>	
<b>DEMAND CATEGORY / PARAMETER</b>		<b>Run</b>	<b>UNITS</b>
<b>REF</b>	<b>Firm Demands</b>		
	Maximum Firm Demand:	384,200	ac-ft
	<b>Maximum Firm Supply:</b>	<b>384,200</b>	ac-ft
<b>REF</b>	<b>Lake Level</b>		
[1]	% of months combined storage below 900,000 ac-ft	32%	
[2]	% of months combined storage below 600,000 ac-ft	0%	
[3]	Minimum combined storage in lakes Buchanan and Travis	624,573	ac-ft
<b>REF</b>	<b>Interruptible Irrigation - All Divisions</b>		
[4]	Number of years first crop partially curtailed (out of 6 years)	0	yr
[5]	Number of years no stored water available for first crop (out of 6 years)	4	yr
[6]	Number of years first crop cut-off mid-season (out of 6 years)	0	
[7]	Number of years second crop partially curtailed (out of 6 years)	1	yr
[8]	Number of years no stored water available for second crop (out of 6 years)	4	yr
[9]	Number of years second crop cut-off mid-season (out of 6 years)	0	
<b>REF</b>	<b>Environmental - Bay and Estuary (B&amp;E)</b>		
[10]	Average annual Matagorda Bay inflow volume	952,659	ac-ft
[11]	Average monthly salinity in Matagorda Bay	25	ppt
[12]	Max # of sequential months Matagorda Bay salinity exceeds 27.5 ppt	15	
[13]	% of months Threshold inflow criteria are met (Goal 100%)	90%	
[14]	% of months Subsistence IF criteria met at Columbus (Goal 100%)	100%	

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**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**PERIOD-OF-RECORD RESULTS SUMMARY**  
 Prepared for WMP Update

PERIOD-OF-RECORD RESULTS (1940 - 2016) DEMAND CATEGORY / PARAMETER		7/12/2018 Run Period-of-Record Average	7/12/2018 Run Maximum Demand (2011)	UNITS
<b>REF</b>	<b>Firm Demands</b>			
[1]	City of Austin - Municipal Demand	189,391	215,900	ac-ft
[2]	Annual <b>run-of-river water</b> diverted by City of Austin - Municipal	132,377	94,615	ac-ft
[3]	Annual <b>stored water</b> diverted by City of Austin - Municipal	43,273	107,543	ac-ft
[4]	Annual <b>direct reuse</b> by City of Austin	13,742	13,742	ac-ft
	<b>Average Total Supply:</b>	<b>189,391</b>	<b>215,900</b>	ac-ft
[5]	LCRA - Power Plant Demand	13,167	19,700	ac-ft
[6]	Annual <b>run-of-river water</b> diverted by LCRA - Power (Garwood)	3,006	4,300	ac-ft
[7]	Annual <b>stored water</b> diverted by LCRA - Power	10,161	15,400	ac-ft
	<b>Average Total Supply:</b>	<b>13,167</b>	<b>19,700</b>	ac-ft
[8]	City of Austin - Power Plant Demand	11,799	18,600	ac-ft
[9]	Annual <b>run-of-river water</b> diverted by City of Austin - Power	5,511	1,900	ac-ft
[10]	Annual <b>stored water</b> diverted by City of Austin - Power	6,288	16,700	ac-ft
	<b>Average Total Supply:</b>	<b>11,799</b>	<b>18,600</b>	ac-ft
[11]	Other Municipal and Industrial Demands	118,583	130,000	ac-ft
[12]	Annual <b>run-of-river water</b> diverted by Other M&I	6,711	4,200	ac-ft
[13]	Annual <b>run-of-river water</b> diverted by Other M&I (Garwood)	29,737	28,700	ac-ft
[14]	Annual <b>stored water</b> diverted by Other M&I	81,623	90,500	ac-ft
[15]	Annual <b>Arbuckle Reservoir water</b> diverted by Other M&I	512	6,600	ac-ft
	<b>Average Total Supply:</b>	<b>118,583</b>	<b>130,000</b>	ac-ft
	Average Firm Demand:	332,941	384,200	ac-ft
	<b>Average Firm Supply:</b>	<b>332,941</b>	<b>384,200</b>	ac-ft
[16]	Annual <b>net evaporation</b> from lakes Buchanan and Travis	82,683	137,800	ac-ft
[17]	% of months combined storage below 900,000 ac-ft	3%	0%	
[18]	% of months combined storage below 600,000 ac-ft	0%	0%	
[19]	Annual <b>run-of-river water</b> diverted by STPNOC	49,727	6,500	ac-ft
[20]	Annual <b>stored water</b> diverted by STPNOC	0	0	ac-ft
[21]	Annual <b>Arbuckle Reservoir water</b> diverted by STPNOC	62	0	ac-ft
[22]	Annual flow at Bay City	1,617,491	190,100	ac-ft
[23]	% of months average Bay City flow below 300 cfs	15%	67%	
	<b>Lake Level</b>			
[24]	Maximum combined storage in lakes Buchanan and Travis	1,964,429		ac-ft
[25]	Average combined storage in lakes Buchanan and Travis	1,686,209		ac-ft
[26]	Minimum combined storage in lakes Buchanan and Travis	624,573		ac-ft

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**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**DROUGHT RESULTS SUMMARY**  
 Prepared for WMP Update

<b>DROUGHT RESULTS</b> (January 2010 - December 2015) DEMAND CATEGORY / PARAMETER		7/12/2018 Run Drought Average	UNITS
<b>REF</b>	<b>Firm Demands</b>		
[1]	City of Austin - Municipal Demand	191,600	ac-ft
[2]	Average annual <b>run-of-river water</b> diverted by City of Austin - Municipal	114,895	ac-ft
[3]	Average annual <b>stored water</b> diverted by City of Austin - Municipal	62,964	ac-ft
[4]	Average annual <b>direct reuse</b> by City of Austin	13,742	ac-ft
	<b>Average Total Supply:</b>	<b>191,600</b>	ac-ft
[5]	LCRA - Power Plant Demand	14,905	ac-ft
[6]	Average annual run-of-river water diverted by LCRA - Power (Garwood)	4,046	ac-ft
[7]	Average annual <b>stored water</b> diverted by LCRA - Power	10,858	ac-ft
	<b>Average Total Supply:</b>	<b>14,905</b>	ac-ft
[8]	City of Austin - Power Plant Demand	13,607	ac-ft
[9]	Average annual <b>run-of-river water</b> diverted by City of Austin - Power	5,920	ac-ft
[10]	Average annual <b>stored water</b> diverted by City of Austin - Power	7,687	ac-ft
	<b>Average Total Supply:</b>	<b>13,607</b>	ac-ft
[11]	Other Municipal and Industrial Demands	119,542	ac-ft
[12]	Average annual <b>run-of-river water</b> diverted by Other M&I	8,868	ac-ft
[13]	Average annual <b>run-of-river water</b> diverted by Other M&I (Garwood)	28,954	ac-ft
[14]	Average annual <b>stored water</b> diverted by Other M&I	77,749	ac-ft
[15]	Average annual <b>Arbuckle Reservoir water</b> diverted by Other M&I	3,971	ac-ft
	<b>Average Total Supply:</b>	<b>119,542</b>	ac-ft
	Average Firm Demand:	339,655	ac-ft
	<b>Average Total Supply:</b>	<b>339,655</b>	ac-ft
[16]	Average annual <b>net evaporation</b> from lakes Buchanan and Travis	69,285	ac-ft
[17]	% of months combined storage below 900,000 ac-ft	32%	
[18]	% of months combined storage below 600,000 ac-ft	0%	
[19]	Average annual <b>run-of-river water</b> diverted by STPNOC	48,743	ac-ft
[20]	Average annual <b>stored water</b> diverted by STPNOC	0	ac-ft
[21]	Average annual <b>Arbuckle Reservoir water</b> diverted by STPNOC	0	ac-ft
[22]	Average annual flow at Bay City	1,001,472	ac-ft
[23]	% of months average Bay City flow below 300 cfs	28%	
	<b>Lake Level</b>		
[24]	Total combined storage in lakes Buchanan and Travis	1,964,429	ac-ft
[25]	Average combined storage in lakes Buchanan and Travis	1,156,881	ac-ft
[26]	Minimum combined storage in lakes Buchanan and Travis	624,573	ac-ft

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**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**PERIOD-OF-RECORD RESULTS SUMMARY**  
 Prepared for WMP update

<b>PERIOD-OF-RECORD RESULTS (1940 - 2016)</b>		<b>07-12-2018</b>	
<b>DEMAND CATEGORY / PARAMETER</b>		<b>Run</b>	<b>UNITS</b>
<b>REF</b>	<b>Interruptible Irrigation - All Divisions</b>		
[1]	Maximum annual irrigation demand	422,003	ac-ft
[2]	Average annual irrigation demands	368,201	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	173,642	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	68,239	ac-ft
[5]	Average annual <b>Arbuckle Reservoir water</b> diverted for irrigation	74,947	ac-ft
	<b>Average Total Supply:</b>	<b>316,828</b>	ac-ft
[6]	Average % of irrigation demand met	85%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	72%	
[8]	% of years that full irrigation demands are met	66%	
[9]	% of years that full first crop demands are met	75%	
[10]	% of years that full second crop demands are met	66%	
[11]	Number of years first crop partially curtailed	8	yr
[12]	Number of years no stored water available for first crop	11	yr
[13]	Number of years second crop partially curtailed	12	yr
[14]	Number of years no stored water available for second crop	14	yr

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**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**ADDITIONAL RESULTS**  
 Prepared for WMP update

ADDITIONAL RESULTS (1940 - 2016)		07-12-2018	
DEMAND CATEGORY / PARAMETER		Run	UNITS
<b>REF</b>	<b>Environmental - Bay and Estuary (B&amp;E)</b>		
	<b>2008 Matagorda Bay Health Evaluation (MBHE) Criteria:</b>		
[1]	% of months Threshold inflow criteria are met (Study Goal 100%)	94%	
[2]	% of years All MBHE-1 criteria are met (Study Goal 90%)	68%	
[3]	% of years All MBHE-2 criteria are met (Study Goal 75%)	53%	
[4]	% of years All MBHE-3 criteria are met (Study Goal 60%)	43%	
[5]	% of years All MBHE-4 criteria are met (Study Goal 35%)	38%	
[6]	Total Drought average annual <b>stored water or storable inflow</b> released to help meet Environmental Criteria	<b>66,920</b>	
[7]	Average annual stored water or storable inflow released to help meet MBHE criteria (POR/Drought)	14441 / 0	ac-ft
[8]	Average annual stored water or SI released to help meet MBHE Threshold criteria (POR/Drought)	843 / 0	ac-ft
[9]	Average annual stored water or SI released to help meet MBHE-1 criteria (POR/Drought)	125 / 0	ac-ft
[10]	Average annual stored water or SI released to help meet MBHE-2 criteria (POR/Drought)	2914 / 0	ac-ft
[11]	Average annual stored water or SI released to help meet MBHE-3 criteria (POR/Drought)	10324 / 0	ac-ft
[12]	Average annual stored water or SI released to help meet MBHE-4 criteria (POR/Drought)	236 / 0	ac-ft
[13]	Average annual Arbuckle Reservoir water released to help meet MBHE criteria (POR/Drought)	24983 / 1025	ac-ft
[14]	Average annual Arbuckle Reservoir water released to help meet MBHE Threshold criteria (POR/Drought)	5294 / 1025	ac-ft
[15]	Average annual Arbuckle Reservoir water released to help meet MBHE-1 criteria (POR/Drought)	240 / 0	ac-ft
[16]	Average annual Arbuckle Reservoir water released to help meet MBHE-2 criteria (POR/Drought)	2568 / 0	ac-ft
[17]	Average annual Arbuckle Reservoir water released to help meet MBHE-3 criteria (POR/Drought)	14342 / 0	ac-ft
[18]	Average annual Arbuckle Reservoir water released to help meet MBHE-4 criteria (POR/Drought)	2539 / 0	ac-ft
[19]	Average annual additional Arbuckle release for Threshold beyond storable inflow obligation	1296 / 8180	ac-ft
	<b>Environmental - Instream Flow (IF)</b>		
[20]	% of months Subsistence IF criteria met at Bastrop (Study Goal 100%)	100%	
[21]	% of months Subsistence IF criteria met at Columbus (Study Goal 100%)	100%	
[22]	% of months Subsistence IF criteria met at Wharton (Study Goal 100%)	100%	
[23]	% of months Base-Dry IF criteria met at Bastrop (Study Goal 80%)	98%	
[24]	% of months Base-Dry IF criteria met at Columbus (Study Goal 80%)	85%	
[25]	% of months Base-Dry IF criteria met at Wharton (Study Goal 80%)	76%	
[26]	% of months Base-Average IF criteria met at Bastrop (Study Goal 60%)	79%	
[27]	% of months Base-Average IF criteria met at Columbus (Study Goal 60%)	68%	
[28]	% of months Base-Average IF criteria met at Wharton (Study Goal 60%)	55%	
[30]	Average annual stored water or storable inflow released to meet Habitat Team IF criteria (POR/Drought)	80845 / 66920	ac-ft
[31]	Average annual stored water or SI released to meet Habitat Team Subsistence criteria (POR/Drought)	27863 / 50728	ac-ft
[32]	Average annual stored water or SI released to meet Habitat Team Base-Dry criteria (POR/Drought)	46659 / 16192	ac-ft
[33]	Average annual stored water or SI released to meet Habitat Team Base-Average criteria (POR/Drought)	6324 / 0	ac-ft

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**GULF COAST**  
**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**PERIOD-OF-RECORD RESULTS SUMMARY**  
 Prepared for WMP update

<i>PERIOD-OF-RECORD RESULTS</i> (1940 - 2016)		07-12-2018	
DEMAND CATEGORY / PARAMETER		Run	UNITS
<b>REF</b>	<b>Interruptible Irrigation - Gulf Coast</b>		
[1]	Maximum annual irrigation demand	156,691	ac-ft
[2]	Average annual irrigation demands	139,391	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	29,519	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	9,108	ac-ft
[5]	Average annual <b>Arbuckle Reservoir water</b> diverted for irrigation	74,947	ac-ft
	<b>Average Total Supply:</b>	<b>113,575</b>	ac-ft
[6]	Average % of irrigation demand met	81%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	72%	
[8]	% of years that full irrigation demands are met	66%	
[9]	% of years that full first crop demands are met	75%	
[10]	% of years that full second crop demands are met	66%	
[11]	Number of years first crop partially curtailed	8	yr
[12]	Number of years no stored water available for first crop	11	yr
[13]	Number of years second crop partially curtailed	12	yr
[14]	Number of years no stored water available for second crop	14	yr

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**GULF COAST  
 WATER MANAGEMENT PLAN - SCENARIO RUNS  
 DROUGHT RESULTS SUMMARY  
 Prepared for WMP update**

DROUGHT RESULTS (January 2010 - December 2015)		07-12-2018	
DEMAND CATEGORY / PARAMETER		Run	UNITS
<b>REF</b>	<b>Interruptible Irrigation - Gulf Coast</b>		
[1]	Maximum annual irrigation demand	156,691	ac-ft
[2]	Average annual irrigation demands	138,483	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	6,260	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	14,112	ac-ft
[5]	Average annual <b>Arbuckle Reservoir water</b> diverted for irrigation	24,509	ac-ft
	<b>Average Total Supply:</b>	<b>20,372</b>	ac-ft
[6]	Average % of irrigation demand met	32%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	27%	
[8]	% of years that full irrigation demands are met	33%	
[9]	% of years that full first crop demands are met	42%	
[10]	% of years that full second crop demands are met	33%	
[11]	Number of years first crop partially curtailed (out of 6 years)	0	yr
[12]	Number of years no stored water available for first crop (out of 6 years)	4	yr
[13]	Number of years second crop partially curtailed (out of 6 years)	1	yr
[14]	Number of years no stored water available for second crop (out of 6 years)	4	yr

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**LAKESIDE**  
**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**PERIOD-OF-RECORD RESULTS SUMMARY**  
 Prepared for WMP update

<b>PERIOD-OF-RECORD RESULTS</b> <b>(1940 - 2016)</b>		<b>07-12-2018</b>	
<b>DEMAND CATEGORY / PARAMETER</b>		<b>Run</b>	<b>UNITS</b>
<b>REF</b>	<b>Interruptible Irrigation - Lakeside</b>		
[1]	Maximum annual irrigation demand	135,311	ac-ft
[2]	Average annual irrigation demands	114,086	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	46,109	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	47,320	ac-ft
	<b>Average Total Supply:</b>	<b>93,429</b>	ac-ft
[6]	Average % of irrigation demand met	81%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	72%	
[8]	% of years that full irrigation demands are met	66%	
[9]	% of years that full first crop demands are met	75%	
[10]	% of years that full second crop demands are met	66%	
[11]	Number of years first crop partially curtailed	8	yr
[12]	Number of years no stored water available for first crop	11	yr
[13]	Number of years second crop partially curtailed	12	yr
[14]	Number of years no stored water available for second crop	14	yr

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**LAKESIDE**  
**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**DROUGHT RESULTS SUMMARY**  
 Prepared for WMP update

DROUGHT RESULTS (January 2010 - December 2015)			
DEMAND CATEGORY / PARAMETER		07-12-2018 Run	UNITS
<b>REF</b>	<b>Interruptible Irrigation - Lakeside</b>		
[1]	Maximum annual irrigation demand	135,311	ac-ft
[2]	Average annual irrigation demands	117,897	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	11,708	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	28,232	ac-ft
	<b>Average Total Supply:</b>	<b>39,940</b>	ac-ft
[6]	Average % of irrigation demand met	34%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	27%	
[8]	% of years that full irrigation demands are met	33%	
[9]	% of years that full first crop demands are met	42%	
[10]	% of years that full second crop demands are met	33%	
[11]	Number of years first crop partially curtailed (out of 6 years)	0	yr
[12]	Number of years no stored water available for first crop (out of 6 years)	4	yr
[13]	Number of years second crop partially curtailed (out of 6 years)	1	yr
[14]	Number of years no stored water available for second crop (out of 6 years)	4	yr

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**PIERCE RANCH**  
**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**PERIOD-OF-RECORD RESULTS SUMMARY**  
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<b>PERIOD-OF-RECORD RESULTS</b> <b>(1940 - 2016)</b>			
<b>DEMAND CATEGORY / PARAMETER</b>		<b>07-12-2018</b> <b>Run</b>	<b>UNITS</b>
<b>REF</b>	<b>Interruptible Irrigation - Pierce Ranch</b>		
[1]	Maximum annual irrigation demand	30,000	ac-ft
[2]	Average annual irrigation demands	26,827	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	11,151	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	10,777	ac-ft
	<b>Average Total Supply:</b>	<b>21,927</b>	ac-ft
[6]	Average % of irrigation demand met	81%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	72%	
[8]	% of years that full irrigation demands are met	66%	
[9]	% of years that full first crop demands are met	75%	
[10]	% of years that full second crop demands are met	66%	
[11]	Number of years first crop partially curtailed	8	yr
[12]	Number of years no stored water available for first crop	11	yr
[13]	Number of years second crop partially curtailed	12	yr
[14]	Number of years no stored water available for second crop	14	yr

This information is for discussion only.  
 This is not a forecast of future conditions.

**PIERCE RANCH  
 WATER MANAGEMENT PLAN - SCENARIO RUNS  
 DROUGHT RESULTS SUMMARY  
 Prepared for WMP update**

<b>DROUGHT RESULTS (January 2010 - December 2015)</b>		<b>07-12-2018</b>	
<b>DEMAND CATEGORY / PARAMETER</b>		<b>Run</b>	<b>UNITS</b>
<b>REF</b>	<b>Interruptible Irrigation - Pierce Ranch</b>		
[1]	Maximum annual irrigation demand	30,000	ac-ft
[2]	Average annual irrigation demands	28,296	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	2,445	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	6,821	ac-ft
	<b>Average Total Supply:</b>	<b>9,267</b>	ac-ft
[6]	Average % of irrigation demand met	33%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	27%	
[8]	% of years that full irrigation demands are met	33%	
[9]	% of years that full first crop demands are met	42%	
[10]	% of years that full second crop demands are met	33%	
[11]	Number of years first crop partially curtailed (out of 6 years)	0	yr
[12]	Number of years no stored water available for first crop (out of 6 years)	4	yr
[13]	Number of years second crop partially curtailed (out of 6 years)	1	yr
[14]	Number of years no stored water available for second crop (out of 6 years)	4	yr

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**GARWOOD**  
**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**PERIOD-OF-RECORD RESULTS SUMMARY**  
 Prepared for WMP update

<i>PERIOD-OF-RECORD RESULTS</i> (1940 - 2016)		07-12-2018	
DEMAND CATEGORY / PARAMETER		Run	UNITS
<b>REF</b>	<b>Interruptible Irrigation - Garwood</b>		
[1]	Maximum annual irrigation demand	100,000	ac-ft
[2]	Average annual irrigation demands	87,897	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	86,862	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	1,034	ac-ft
	<b>Average Total Supply:</b>	<b>87,897</b>	ac-ft
[6]	Average % of irrigation demand met	100%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	100%	
[8]	% of years that full irrigation demands are met	100%	
[9]	% of years that full first crop demands are met	100%	
[10]	% of years that full second crop demands are met	100%	
[11]	Number of years first crop partially curtailed	0	yr
[12]	Number of years no stored water available for first crop	0	yr
[13]	Number of years second crop partially curtailed	0	yr
[14]	Number of years no stored water available for second crop	0	yr

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**GARWOOD**  
**WATER MANAGEMENT PLAN - SCENARIO RUNS**  
**DROUGHT RESULTS SUMMARY**  
 Prepared for WMP update

DROUGHT RESULTS (January 2010 - December 2015)			
DEMAND CATEGORY / PARAMETER		07-12-2018 Run	UNITS
<b>REF</b>	<b>Interruptible Irrigation - Garwood</b>		
[1]	Maximum annual irrigation demand	100,000	ac-ft
[2]	Average annual irrigation demands	89,416	ac-ft
[3]	Average annual <b>run-of-river water</b> diverted for irrigation	87,272	ac-ft
[4]	Average annual interruptible <b>stored water</b> diverted for irrigation	2,144	ac-ft
	<b>Average Total Supply:</b>	<b>89,416</b>	ac-ft
[6]	Average % of irrigation demand met	100%	
	Agricultural reliability:		
[7]	% of months that full irrigation demands are met	100%	
[8]	% of years that full irrigation demands are met	100%	
[9]	% of years that full first crop demands are met	100%	
[10]	% of years that full second crop demands are met	100%	
[11]	Number of years first crop partially curtailed (out of 6 years)	0	yr
[12]	Number of years no stored water available for first crop (out of 6 years)	0	yr
[13]	Number of years second crop partially curtailed (out of 6 years)	0	yr
[14]	Number of years no stored water available for second crop (out of 6 years)	0	yr

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