WATER MANAGEMENT PLAN UPDATE
MODEL DEMANDS

DEMAND CATEGORY / PARAMETER	2010 DEMANDS	2015 WMP DEMANDS	UNITS
Firm Demands			
City of Austin - Municipal Demand	**182,788**	**193,334**	**ac-ft**
FPP Demand	13,616	18,000	ac-ft
Sim Gideon / Lost Pines Demand	10,750	5,000	ac-ft
Ferguson Demand	1,500	2,500	ac-ft
LCRA - Power Plant Demand	**25,866**	**25,500**	**ac-ft**
City of Austin at FPP Demand	8,500	10,500	ac-ft
City of Austin at Decker Demand	5,000	8,500	ac-ft
City of Austin - Power Plant Demand	**13,500**	**19,000**	**ac-ft**
Miscellaneous Firm Contract Demand	29,652	54,223	ac-ft
BRA - HB 1437 Demand	1,800	6,386	ac-ft
Pflugerville Demand	4,000	5,098	ac-ft
Leander Demand	5,000	5,000	ac-ft
Matagorda Manufacturing and Mining Demand	6,000	8,675	ac-ft
Other Industrial Demand	0	12,870	ac-ft
Other (Conveyance and Emergency Release)	20,000	20,000	ac-ft
Other Municipal and Industrial Demands	**66,452**	**112,252**	**ac-ft**
Total Firm Demand:	**288,606**	**350,086**	**ac-ft**
STPNOC Firm Demand	**20,000**	**20,000**	ac-ft
Corpus Christi Garwood Water Right	**0**	**35,000**	ac-ft
Interruptible Agricultural Demand			
Garwood Irrigation Demand (Dry - 90th percentile)	92,400	92,400	ac-ft
Gulf Coast Irrigation Demand (Dry - 90th percentile)	178,700	178,700	ac-ft
Lakeside Irrigation Demand (Dry - 90th percentile)	139,700	139,700	ac-ft
Pierce Ranch Irrigation Demand (Dry - 90th percentile)	27,700	27,700	ac-ft
Interruptible Agricultural Demand:	**438,500**	**438,500**	**ac-ft**

Note; 2010 Agricultural Demands used in Interim Conditions

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

	***PERIOD-OF-RECORD* RESULTS** **DEMAND CATEGORY / PARAMETER**	**2015 WMP (1940- 2013)**
REF	**Firm Demands**	
	Total Firm Demand:	350,086
	Average Total Supply:	**340,040**
[13]	% of months combined storage below 900,000 ac-ft	4.3%
[14]	% of months combined storage below 600,000 ac-ft	0.0%
	% of months Lake Buchanan elevation below 1,012 feet msl	34.8%
	% of months Lake Travis elevation below 660 feet msl	40.5%
REF	**Lake Level**	
[19]	Minimum combined storage in lakes Buchanan and Travis	622,352
[20]	Average monthly Lake Buchanan surface water elevation	1,012
[22]	Average monthly Lake Travis surface water elevation	662
REF	**Interruptible Irrigation - All Divisions**	
[30]	Number of years first crop partially curtailed	7
[31]	Number of years no stored water available for first crop	14
	Number of years first crop cut-off mid-season	3
[32]	Number of years second crop partially curtailed	10
[33]	Number of years no stored water available for second crop	19
	Number of years second crop cut-off mid-season	10
REF	**Environmental - Bay and Estuary (B&E)**	
[36]	Average annual Matagorda Bay inflow volume	1,567,026
[37]	Average monthly salinity in Matagorda Bay	21.4
[39]	Max # of sequential months Matagorda Bay salinity exceeds 27.5 ppt	22
[40]	% of months only Critical inflow criteria in effect for Matagorda Bay	n/a
[43]	% of months Critical inflow criteria met for Matagorda Bay when in effect	n/a
[57]	% of months Threshold inflow criteria are met (Goal 100%)	94%
[91]	% of months only Critical IF criteria in effect	n/a
[95]	% of months 2010 WMP Critical IF criteria met at Columbus when in effect	n/a
[107]	% of months Subsistence IF criteria met at Columbus (Goal 100%)	99%

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

	***DROUGHT-OF-RECORD* RESULTS (June 1945 - May 1957)** DEMAND CATEGORY / PARAMETER	2015 WMP (1940- 2013)
REF	**Firm Demands**	
	Total Firm Demand:	350,086
	Average Total Supply:	**337,191**
[13]	% of months combined storage below 900,000 ac-ft	13.2%
[14]	% of months combined storage below 600,000 ac-ft	0.0%
	% of months Lake Buchanan elevation below 1,012 feet msl	66.0%
	% of months Lake Travis elevation below 660 feet msl	74.3%
REF	**Lake Level**	
[19]	Minimum combined storage in lakes Buchanan and Travis	649,584
[20]	Average monthly Lake Buchanan surface water elevation	1,007
[22]	Average monthly Lake Travis surface water elevation	648
REF	**Interruptible Irrigation - All Divisions**	
[30]	Number of years first crop partially curtailed (out of 12 years)	2
[31]	Number of years no stored water available for first crop (out of 12 years)	7
	Number of years first crop cut-off mid-season (out of 12 years)	0
[32]	Number of years second crop partially curtailed (out of 12 years)	2
[33]	Number of years no stored water available for second crop (out of 12 years)	6
	Number of years second crop cut-off mid-season (out of 12 years)	0
REF	**Environmental - Bay and Estuary (B&E)**	
[36]	Average annual Matagorda Bay inflow volume	761,812
[37]	Average monthly salinity in Matagorda Bay	25.9
[39]	Max # of sequential months Matagorda Bay salinity exceeds 27.5 ppt	17
[40]	% of months only Critical inflow criteria in effect for Matagorda Bay	n/a
[43]	% of months Critical inflow criteria met for Matagorda Bay when in effect	n/a
[57]	% of months Threshold inflow criteria are met (Goal 100%)	85%
[91]	% of months only Critical IF criteria in effect	n/a
[95]	% of months 2010 WMP Critical IF criteria met at Columbus when in effect	n/a
[107]	% of months Subsistence IF criteria met at Columbus (Goal 100%)	97%

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

	***PERIOD-OF-RECORD* RESULTS** **DEMAND CATEGORY / PARAMETER**	**2015 WMP (1940- 2013)**
REF	**Firm Demands**	
[1]	City of Austin - Municipal Demand	193,334
[2]	Average annual **run-of-river water** diverted by City of Austin - Municipal	175,375
[3]	Average annual **stored water** diverted by City of Austin - Municipal	17,959
	Average Total Supply:	**193,334**
[5]	LCRA - Power Plant Demand	25,500
[6]	Average annual **stored water** diverted by LCRA - Power	25,500
	Average Total Supply:	**25,500**
[7]	City of Austin - Power Plant Demand	19,000
[8]	Average annual **run-of-river water** diverted by City of Austin - Power	7,650
[9]	Average annual **stored water** diverted by City of Austin - Power	11,350
	Average Total Supply:	**19,000**
[10]	Other Municipal and Industrial Demands	112,252
[11]	Average annual **stored water** diverted by Other M&I	102,206
	Average Total Supply:	**102,206**
	Total Firm Demand:	350,086
	Average Total Supply:	**340,040**
[12]	Average annual **net evaporation** from lakes Buchanan and Travis	78,529
[13]	% of months combined storage below 900,000 ac-ft	4%
[14]	% of months combined storage below 600,000 ac-ft	0%
	% of months Lake Buchanan elevation below 1,012 feet msl	35%
	% of months Lake Travis elevation below 660 feet msl	41%
	Average annual **run-of-river** water diverted by STPNOC	57,532
	Average annual **stored water** diverted by STPNOC	116
[16]	Average annual flow at Bay City	1,582,361
	% of months average Bay City flow below 300 cfs	7%
	Lake Level	
[17]	Total combined storage in lakes Buchanan and Travis	1,964,429
[18]	Average combined storage in lakes Buchanan and Travis	1,555,496
[19]	Minimum combined storage in lakes Buchanan and Travis	622,352
[20]	Average monthly Lake Buchanan surface water elevation	1,012
[21]	Minimum elevation of Lake Buchanan	997
[22]	Average monthly Lake Travis surface water elevation	662
[23]	Minimum elevation of Lake Travis	592

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

REF	***DROUGHT-OF-RECORD* RESULTS (June 1945 - May 1957)** DEMAND CATEGORY / PARAMETER	2015 WMP (1940- 2013)
REF	**Firm Demands**	
[1]	City of Austin - Municipal Demand	193,334
[2]	Average annual **run-of-river water** diverted by City of Austin - Municipal	158,800
[3]	Average annual **stored water** diverted by City of Austin - Municipal	34,534
	Average Total Supply:	**193,334**
[5]	LCRA - Power Plant Demand	25,500
[6]	Average annual **stored water** diverted by LCRA - Power	25,500
	Average Total Supply:	**25,500**
[7]	City of Austin - Power Plant Demand	19,000
[8]	Average annual **run-of-river water** diverted by City of Austin - Power	7,064
[9]	Average annual **stored water** diverted by City of Austin - Power	11,936
	Average Total Supply:	**19,000**
[10]	Other Municipal and Industrial Demands	112,252
[11]	Average annual **stored water** diverted by Other M&I	99,357
	Average Total Supply:	**99,357**
	Total Firm Demand:	350,086
	Average Total Supply:	**337,191**
[12]	Average annual **net evaporation** from lakes Buchanan and Travis	107,749
[13]	% of months combined storage below 900,000 ac-ft	13%
[14]	% of months combined storage below 600,000 ac-ft	0%
	% of months Lake Buchanan elevation below 1,012 feet msl	66%
	% of months Lake Travis elevation below 660 feet msl	74%
	Average annual **run-of-river** water diverted by STPNOC	56,988
	Average annual **stored water** diverted by STPNOC	717
[16]	Average annual flow at Bay City	822,596
	% of months average Bay City flow below 300 cfs	19%
	Lake Level	
[17]	Total combined storage in lakes Buchanan and Travis	1,964,429
[18]	Average combined storage in lakes Buchanan and Travis	1,282,488
[19]	Minimum combined storage in lakes Buchanan and Travis	649,584
[20]	Average monthly Lake Buchanan surface water elevation	1,007
[21]	Minimum elevation of Lake Buchanan	997
[22]	Average monthly Lake Travis surface water elevation	648
[23]	Minimum elevation of Lake Travis	592

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

	PERIOD-OF-RECORD RESULTS DEMAND CATEGORY / PARAMETER	2015 WMP (1940- 2013)
REF	**Interruptible Irrigation - All Divisions**	
[24]	Irrigation demands (90th percentile)	436,401
[25]	Average annual irrigation demands	389,549
[26]	Average annual **run-of-river water** diverted for irrigation	193,948
[27]	Average annual interruptible **stored water** diverted for irrigation	118,015
	Average Total Supply:	**311,963**
[28]	Average % of irrigation demand met	80%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	65%
	% of years that full irrigation demands are met	50%
	% of years that full first crop demands are met	69%
	% of years that full second crop demands are met	51%
[30]	Number of years first crop partially curtailed	7
[31]	Number of years no stored water available for first crop	14
[32]	Number of years second crop partially curtailed	10
[33]	Number of years no stored water available for second crop	19
	Number of years with no first crop curtailment	53
	Number of years curtailed first crop supply factor 75% or more	1
	Number of years curtailed first crop supply factor between 50% and 75%	6
	Number of years curtialed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop	14
	Number of years with no second crop curtailment	45
	Number of years curtailed second crop supply factor 75% or more	2
	Number of years curtailed second crop supply factor between 50% and 75%	8
	Number of years curtialed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop	19

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

	DROUGHT-OF-RECORD RESULTS (June 1945 - May 1957) DEMAND CATEGORY / PARAMETER	2015 WMP (1940- 2013)
REF	**Interruptible Irrigation - All Divisions**	
[24]	Irrigation demands (90th percentile)	425,677
[25]	Average annual irrigation demands	396,431
[26]	Average annual **run-of-river water** diverted for irrigation	142,381
[27]	Average annual interruptible **stored water** diverted for irrigation	72,002
	Average Total Supply:	**214,383**
[28]	Average % of irrigation demand met	43%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	28%
	% of years that full irrigation demands are met	25%
	% of years that full first crop demands are met	33%
	% of years that full second crop demands are met	25%
[30]	Number of years first crop partially curtailed (out of 12 years)	2
[31]	Number of years no stored water available for first crop (out of 12 years)	7
[32]	Number of years second crop partially curtailed (out of 12 years)	2
[33]	Number of years no stored water available for second crop (out of 12 years)	6
	Number of years with no first crop curtailment	3
	Number of years curtailed first crop supply factor 75% or more	0
	Number of years curtailed first crop supply factor between 50 and 75%	2
	Number of years curtailed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop (out of 12 years)	7
	Number of years with no second crop curtailment	4
	Number of years curtailed second crop supply factor 75% or more	0
	Number of years curtailed second crop supply factor between 50 and 75%	2
	Number of years curtailed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop (out of 12 years)	6

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

	ADDITIONAL RESULTS DEMAND CATEGORY / PARAMETER	2015 WMP (1940- 2013)
REF	**Environmental - Bay and Estuary (B&E)**	
	2008 Matagorda Bay Health Evaluation (MBHE) Criteria:	
[52]	% of months Only Threshold Bay and Estuary inflow criteria in effect	6%
[53]	% of months MBHE-1 Bay and Estuary inflow criteria in effect	17%
[54]	% of months MBHE-2 Bay and Estuary inflow criteria in effect	10%
[55]	% of months MBHE-3 Bay and Estuary inflow criteria in effect	52%
[56]	% of months MBHE-4 Bay and Estuary inflow criteria in effect	15%
[57]	% of months Threshold inflow criteria are met (Study Goal 100%)	94%
[67]	% of years All MBHE-1 criteria are met (Study Goal 90%)	73%
[68]	% of years All MBHE-2 criteria are met (Study Goal 75%)	61%
[69]	% of years All MBHE-3 criteria are met (Study Goal 60%)	47%
[70]	% of years All MBHE-4 criteria are met (Study Goal 35%)	39%
[70.3]	Total DOR average annual **stored water or storable inflow** released to help meet Environmental Criteria	**75,373**
[70.6]	Average annual **stored water or storable inflow** released to help meet MBHE criteria (POR/DOR)	25086 / 25605
[71]	Average annual stored water or SI released to help meet MBHE Threshold criteria (POR/DOR)	2045 / 5511
[72]	Average annual stored water or SI released to help meet MBHE-1 criteria (POR/DOR)	611 / 3152
[73]	Average annual stored water or SI released to help meet MBHE-2 criteria (POR/DOR)	3720 / 13047
[74]	Average annual stored water or SI released to help meet MBHE-3 criteria (POR/DOR)	17118 / 3895
[75]	Average annual stored water or SI released to help meet MBHE-4 criteria (POR/DOR)	1592 / 0
	2006 Freshwater Inflow Needs Study (FINS) Criteria:	
[88]	% of months Critical criteria satisfied	64%
[89]	% of months Intermediate criteria satisfied	51%
[90]	% of months Target criteria satisfied	32%
	Environmental - Instream Flow (IF)	
[108]	% of months Subsistence IF criteria met at Wharton (Study Goal 100%)	100%
[111]	% of months Base-Dry IF criteria met at Wharton (Study Goal 80%)	81%
[114]	% of months Base-Average IF criteria met at Wharton (Study Goal 60%)	63%
	Average annual **stored water or storable inflow** released to meet Habitat Team IF criteria (POR/DOR)	55455 / 49768
[115]	Average annual stored water or SI released to meet Habitat Team Subsistence criteria (POR/DOR)	27848 / 49768
[116]	Average annual stored water or SI released to meet Habitat Team Base-Dry criteria (POR/DOR)	11496 / 0
[117]	Average annual stored water or SI released to meet Habitat Team Base-Average criteria (POR/DOR)	16112 / 0

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2015 WATER MANAGEMENT PLAN
SUMMARY OUTPUT

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

	***PERIOD-OF-RECORD* RESULTS** **DEMAND CATEGORY / PARAMETER**	**2015 WMP (1940- 2013)**
REF	**Interruptible Irrigation - Garwood**	
[24]	Irrigation demands (90th percentile)	92,406
[25]	Average annual irrigation demands	80,881
[26]	Average annual **run-of-river water** diverted for irrigation	79,854
[27]	Average annual interruptible **stored water** diverted for irrigation	1,027
	Average Total Supply:	**80,881**
[28]	Average % of irrigation demand met	100%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	100%
	% of years that full irrigation demands are met	100%
	% of years that full first crop demands are met	100%
	% of years that full second crop demands are met	100%
[30]	Number of years first crop partially curtailed	0
[31]	Number of years no stored water available for first crop	0
[32]	Number of years second crop partially curtailed	0
[33]	Number of years no stored water available for second crop	0
	Number of years with no first crop curtailment	70
	Number of years curtailed first crop supply factor 75% or more	0
	Number of years curtailed first crop supply factor between 50% and 75%	0
	Number of years curtialed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop	0
	Number of years with no second crop curtailment	70
	Number of years curtailed second crop supply factor 75% or more	0
	Number of years curtailed second crop supply factor between 50% and 75%	0
	Number of years curtialed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop	0

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

	***DROUGHT-OF-RECORD* RESULTS (June 1945 - May 1957)** DEMAND CATEGORY / PARAMETER	2015 WMP (1940- 2013)
REF	**Interruptible Irrigation - Garwood**	
[24]	Irrigation demands (90th percentile)	92,406
[25]	Average annual irrigation demands	84,109
[26]	Average annual **run-of-river water** diverted for irrigation	82,985
[27]	Average annual interruptible **stored water** diverted for irrigation	1,124
	Average Total Supply:	**84,109**
[28]	Average % of irrigation demand met	100%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	100%
	% of years that full irrigation demands are met	100%
	% of years that full first crop demands are met	100%
	% of years that full second crop demands are met	100%
[30]	Number of years first crop partially curtailed (out of 12 years)	0
[31]	Number of years no stored water available for first crop (out of 12 years)	0
[32]	Number of years second crop partially curtailed (out of 12 years)	0
[33]	Number of years no stored water available for second crop (out of 12 years)	0
	Number of years with no first crop curtailment	12
	Number of years curtailed first crop supply factor 75% or more	0
	Number of years curtailed first crop supply factor between 50 and 75%	0
	Number of years curtailed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop (out of 12 years)	0
	Number of years with no second crop curtailment	12
	Number of years curtailed second crop supply factor 75% or more	0
	Number of years curtailed second crop supply factor between 50 and 75%	0
	Number of years curtailed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop (out of 12 years)	0

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

	***PERIOD-OF-RECORD* RESULTS** **DEMAND CATEGORY / PARAMETER**	**2015 WMP (1940- 2013)**
REF	**Interruptible Irrigation - Gulf Coast**	
[24]	Irrigation demands (90th percentile)	177,040
[25]	Average annual irrigation demands	163,500
[26]	Average annual **run-of-river water** diverted for irrigation	75,821
[27]	Average annual interruptible **stored water** diverted for irrigation	49,539
	Average Total Supply:	**125,360**
[28]	Average % of irrigation demand met	75%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	67%
	% of years that full irrigation demands are met	57%
	% of years that full first crop demands are met	72%
	% of years that full second crop demands are met	57%
[30]	Number of years first crop partially curtailed	7
[31]	Number of years no stored water available for first crop	14
[32]	Number of years second crop partially curtailed	10
[33]	Number of years no stored water available for second crop	19
	Number of years with no first crop curtailment	53
	Number of years curtailed first crop supply factor 75% or more	1
	Number of years curtailed first crop supply factor between 50% and 75%	6
	Number of years curtialed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop	14
	Number of years with no second crop curtailment	45
	Number of years curtailed second crop supply factor 75% or more	2
	Number of years curtailed second crop supply factor between 50% and 75%	8
	Number of years curtialed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop	19

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

	***DROUGHT-OF-RECORD* RESULTS (June 1945 - May 1957)** DEMAND CATEGORY / PARAMETER	2015 WMP (1940- 2013)
REF	**Interruptible Irrigation - Gulf Coast**	
[24]	Irrigation demands (90th percentile)	177,040
[25]	Average annual irrigation demands	164,509
[26]	Average annual **run-of-river water** diverted for irrigation	38,112
[27]	Average annual interruptible **stored water** diverted for irrigation	30,926
	Average Total Supply:	**69,038**
[28]	Average % of irrigation demand met	42%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	30%
	% of years that full irrigation demands are met	33%
	% of years that full first crop demands are met	33%
	% of years that full second crop demands are met	33%
[30]	Number of years first crop partially curtailed (out of 12 years)	2
[31]	Number of years no stored water available for first crop (out of 12 years)	7
[32]	Number of years second crop partially curtailed (out of 12 years)	2
[33]	Number of years no stored water available for second crop (out of 12 years)	6
	Number of years with no first crop curtailment	3
	Number of years curtailed first crop supply factor 75% or more	0
	Number of years curtailed first crop supply factor between 50 and 75%	2
	Number of years curtailed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop (out of 12 years)	7
	Number of years with no second crop curtailment	4
	Number of years curtailed second crop supply factor 75% or more	0
	Number of years curtailed second crop supply factor between 50 and 75%	2
	Number of years curtailed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop (out of 12 years)	6

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

	***PERIOD-OF-RECORD* RESULTS** **DEMAND CATEGORY / PARAMETER**	**2015 WMP (1940- 2013)**
REF	**Interruptible Irrigation - Lakeside**	
[24]	Irrigation demands (90th percentile)	141,053
[25]	Average annual irrigation demands	120,659
[26]	Average annual **run-of-river water** diverted for irrigation	30,420
[27]	Average annual interruptible **stored water** diverted for irrigation	56,941
	Average Total Supply:	**87,361**
[28]	Average % of irrigation demand met	74%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	65%
	% of years that full irrigation demands are met	50%
	% of years that full first crop demands are met	72%
	% of years that full second crop demands are met	50%
[30]	Number of years first crop partially curtailed	7
[31]	Number of years no stored water available for first crop	14
[32]	Number of years second crop partially curtailed	10
[33]	Number of years no stored water available for second crop	19
	Number of years with no first crop curtailment	53
	Number of years curtailed first crop supply factor 75% or more	1
	Number of years curtailed first crop supply factor between 50% and 75%	6
	Number of years curtialed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop	14
	Number of years with no second crop curtailment	45
	Number of years curtailed second crop supply factor 75% or more	2
	Number of years curtailed second crop supply factor between 50% and 75%	8
	Number of years curtialed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop	19

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

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

REF	***DROUGHT-OF-RECORD* RESULTS (June 1945 - May 1957)** DEMAND CATEGORY / PARAMETER	2015 WMP (1940- 2013)
REF	**Interruptible Irrigation - Lakeside**	
[24]	Irrigation demands (90th percentile)	141,053
[25]	Average annual irrigation demands	125,213
[26]	Average annual **run-of-river water** diverted for irrigation	16,817
[27]	Average annual interruptible **stored water** diverted for irrigation	33,912
	Average Total Supply:	**50,729**
[28]	Average % of irrigation demand met	41%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	28%
	% of years that full irrigation demands are met	25%
	% of years that full first crop demands are met	33%
	% of years that full second crop demands are met	25%
[30]	Number of years first crop partially curtailed (out of 12 years)	2
[31]	Number of years no stored water available for first crop (out of 12 years)	7
[32]	Number of years second crop partially curtailed (out of 12 years)	2
[33]	Number of years no stored water available for second crop (out of 12 years)	6
	Number of years with no first crop curtailment	3
	Number of years curtailed first crop supply factor 75% or more	0
	Number of years curtailed first crop supply factor between 50 and 75%	2
	Number of years curtailed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop (out of 12 years)	7
	Number of years with no second crop curtailment	4
	Number of years curtailed second crop supply factor 75% or more	0
	Number of years curtailed second crop supply factor between 50 and 75%	2
	Number of years curtailed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop (out of 12 years)	6

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

	***PERIOD-OF-RECORD* RESULTS** **DEMAND CATEGORY / PARAMETER**	**2015 WMP (1940- 2013)**
REF	**Interruptible Irrigation - Pierce Ranch**	
[24]	Irrigation demands (90th percentile)	28,062
[25]	Average annual irrigation demands	22,663
[26]	Average annual **run-of-river water** diverted for irrigation	6,232
[27]	Average annual interruptible **stored water** diverted for irrigation	10,509
	Average Total Supply:	**16,740**
[28]	Average % of irrigation demand met	74%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	67%
	% of years that full irrigation demands are met	55%
	% of years that full first crop demands are met	72%
	% of years that full second crop demands are met	55%
[30]	Number of years first crop partially curtailed	7
[31]	Number of years no stored water available for first crop	14
[32]	Number of years second crop partially curtailed	10
[33]	Number of years no stored water available for second crop	19
	Number of years with no first crop curtailment	53
	Number of years curtailed first crop supply factor 75% or more	1
	Number of years curtailed first crop supply factor between 50% and 75%	6
	Number of years curtialed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop	14
	Number of years with no second crop curtailment	45
	Number of years curtailed second crop supply factor 75% or more	2
	Number of years curtailed second crop supply factor between 50% and 75%	8
	Number of years curtialed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop	19

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

	***DROUGHT-OF-RECORD* RESULTS (June 1945 - May 1957)** DEMAND CATEGORY / PARAMETER	**2015 WMP (1940- 2013)**
REF	**Interruptible Irrigation - Pierce Ranch**	
[24]	Irrigation demands (90th percentile)	28,062
[25]	Average annual irrigation demands	22,600
[26]	Average annual **run-of-river water** diverted for irrigation	3,592
[27]	Average annual interruptible **stored water** diverted for irrigation	6,040
	Average Total Supply:	**9,632**
[28]	Average % of irrigation demand met	43%
[29]	Agricultural reliability:	
	% of months that full irrigation demands are met	30%
	% of years that full irrigation demands are met	33%
	% of years that full first crop demands are met	33%
	% of years that full second crop demands are met	33%
[30]	Number of years first crop partially curtailed (out of 12 years)	2
[31]	Number of years no stored water available for first crop (out of 12 years)	7
[32]	Number of years second crop partially curtailed (out of 12 years)	2
[33]	Number of years no stored water available for second crop (out of 12 years)	6
	Number of years with no first crop curtailment	3
	Number of years curtailed first crop supply factor 75% or more	0
	Number of years curtailed first crop supply factor between 50 and 75%	2
	Number of years curtailed first crop supply factor 50% or less	0
	Number of years no stored water available for first crop (out of 12 years)	7
	Number of years with no second crop curtailment	4
	Number of years curtailed second crop supply factor 75% or more	0
	Number of years curtailed second crop supply factor between 50 and 75%	2
	Number of years curtailed second crop supply factor 50% or less	0
	Number of years no stored water available for second crop (out of 12 years)	6

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