

May

FY 2022 Surface Water Accountability Report

FY 2022	Finished Water *	Billed Consumption*	BCMUD Flush Log	Brushy Bend Water Sale	Estimated loss from known leaks	Sam Bass Fire Use	Total Known Consumption	Unaccounted Water	Monthly Water Loss Percentage
Oct	80,194,000	69,451,000	230,000	2,471,750	-	-	72,152,750	8,041,250	10.03%
Nov	73,163,000	60,466,000	204,000	2,594,990	-	-	63,264,990	9,898,010	13.53%
Dec	68,799,000	59,219,000	206,000	2,310,000	-	-	61,735,000	7,064,000	10.27%
Jan	60,933,000	48,453,000	202,000	2,072,000	2,500,000	-	50,727,000	10,206,000	16.75%
Feb	50,965,000	44,123,000	230,000	2,142,000	-	-	46,495,000	4,470,000	8.77%
Mar	68,811,000	56,826,000	202,000	2,862,000	1,200,000	-	61,090,000	7,721,000	11.22%
Apr	84,822,000	73,510,000	202,000	3,387,600	400,000	-	77,499,600	7,322,400	8.63%
May	93,111,000	82,567,000	202,000	3,241,900	162,161	-	86,173,061	6,937,939	7.45%
Jun									
Jul									
Aug									
Sep									
Total (gallons)	580,798,000	494,615,000	1,678,000	21,082,240	4,262,161	0	519,137,401	61,660,599	10.62%

Twelve Month Rolling Average % = 7.60%

May

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	Lake Raw Water	Wilco Park ¹	Chisholm Trail ²	Lake - Chisholm	Lake - Wilco - Chisholm	Surface Water to Plant	Unaccounted Surface Water
Oct	96,673,000	24,228,032	10,295,000	86,378,000	62,149,968	88,393,000	(26,243,032)
Nov	82,676,000	2,990,848	0	82,676,000	79,685,152	75,500,000	4,185,152
Dec	79,980,000	3,090,085	0	79,980,000	76,889,915	73,604,000	3,285,915
Jan	68,671,000	3,090,152	0	68,671,000	65,580,848	63,226,000	2,354,848
Feb	58,456,000	2,791,345	0	58,456,000	55,664,655	53,804,000	1,860,655
Mar	78,389,000	3,091,304	0	78,389,000	75,297,696	71,633,000	3,664,696
Apr	101,514,000	2,991,535	2,786,000	98,728,000	95,736,465	90,936,000	4,800,465
May	118,939,000	3,091,377	5,689,000	113,250,000	110,158,623	105,554,000	4,604,623
Jun				0			0
Jul				0			0
Aug				0			0
Sep				0			0
Total (Gallons)	685,298,000	45,364,678	18,770,000	666,528,000	621,163,322	622,650,000	(1,486,678)

Unaccounted Surface Water %: -0.24%

Footnotes:

1 – Williamson County’s contract provides for a maximum of 100,000 gallons per day unless additional supply is requested.

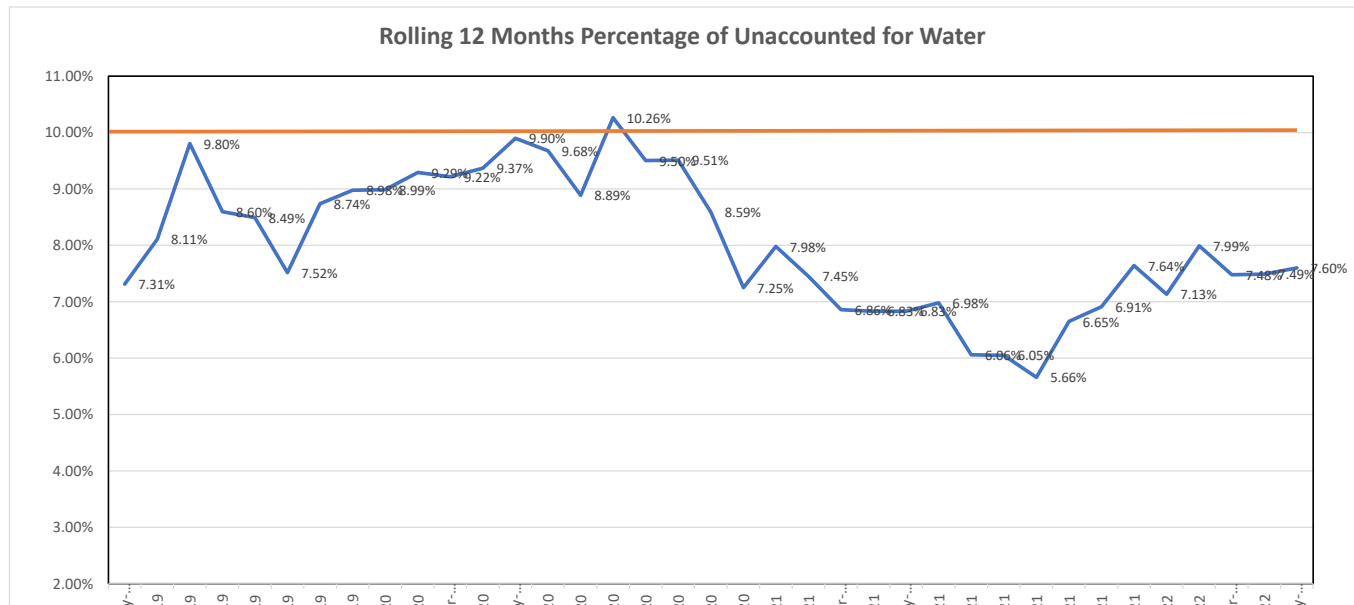
2 – Chisholm Trail’s contract provides for a maximum of 400 acre feet per fiscal year and a maximum of 500,000 gallons per day.

Twelve Month Unaccounted Surface Water % = 3.15%

January
FY 2022 Surface Water Accountability Report

Percentage of Unaccounted for Water

Jan-19	6.65%
Feb-19	7.30%
Mar-19	9.05%
Apr-19	8.27%
May-19	7.31%
Jun-19	8.11%
Jul-19	9.80%
Aug-19	8.60%
Sep-19	8.49%
Oct-19	7.52%
Nov-19	8.74%
Dec-19	8.98%
Jan-20	8.99%
Feb-20	9.29%
Mar-20	9.22%
Apr-20	9.37%
May-20	9.90%
Jun-20	9.68%
Jul-20	8.89%
Aug-20	10.26%
Sep-20	9.50%
Oct-20	9.51%
Nov-20	8.59%
Dec-20	7.25%
Jan-21	7.98%



May							
FY 2022 Surface Water Accountability Report	May	FY2022 YTD	FY2021 Total	FY2020 Total	FY2019 Total	FY2018 Total	FY2017 Total
System Input							
Produced Water	93,111,000	580,798,000	951,510,000	1,011,942,000	917,614,000	983,859,000	968,933,000
Authorized Consumption							
Billed Metered - Residential	65,884,000	370,710,000	654,408,000	666,245,000	610,132,000	674,560,000	667,540,000
Billed Metered - Commercial	12,489,000	93,355,000	152,359,000	147,058,000	136,665,000	142,871,000	143,605,000
District Consumption	4,194,000	30,550,000	52,300,000	60,398,000	68,285,000	53,602,000	53,066,000
Unbilled Unmetered							
Distribution (Treatment) Flushing	202,000	1,678,000	2,739,280	2,797,600	2,275,400	2,707,274	2,649,330
Brushy Bend Aqua Sale	3,241,000	21,082,240	35,702,800	34,761,000	32,126,900	32,130,300	27,198,700
Sam Bass Fire	-	-	0	0	0	12,500	25,000
Total Authorized Consumption	86,010,000	494,615,000	897,509,080	911,259,600	844,484,300	905,883,074	894,084,030
Apparent Losses							
Average Meter Accuracy	99%	99%	99%	99%	99%	99%	99%
Customer Meter Inaccuracy Loss (99% Accurate)	834,010	4,996,111	8,677,444	8,825,263	8,233,152	8,798,313	8,729,404
Unauthorized Consumption	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Unauthorized Consumption Loss (0.25% per AWWA standards)	206,418	1,236,538	2,147,668	2,184,253	1,866,993	2,043,578	2,027,863
Total Apparent Losses	1,040,428	6,232,649	10,825,112	11,009,515	10,049,639	10,841,891	10,757,267
Reported Losses							
Reported Breaks and Leaks	162,161	4,262,161	50000	4,522,650	2,400,000	4,564,000	7,000,000
Total Reported Losses	162,161	4,262,161	50000	4,522,650	2,400,000	4,564,000	7,000,000
Water Loss	5,898,411	75,688,190	43,125,808	85,150,235	60,680,061	62,570,035	57,091,703
Water Loss Detail *							
Residential Connections	5461	5490	5466	5,476	5,490	5,500	5,654
Commercial Connections	1190	1190	141		164	158	153
District Connections	92	92	52		53	54	49
Total Connections	6743	6772	5659	5,679	5,707	5,712	5,856
* Note FY18 adjusted for BB							
Days	31	212	365	366	365	365	365
Loss Per Connection per Day (Gallons)	28.22	52.72	21	41	29	30	27
Estimated Population Served	20,000	20,000	20,000	19,625	19,707	19,724	20,248
Water Loss Per Capita Per Day (Gallons)	9.51	17.85	6	12	8	9	8
Total Water Use Per Capita Per Day	138.73	116.65	123	127	117	126	121
Financial Indicators							
Cost to produce water per 1,000 gallons	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00
Cost of Apparent Losses	\$ 1,040.43	\$ 6,232.65	\$10,825.11	\$11,009.52	\$10,049.64	\$10,841.89	\$10,757.27
Cost of Reported Losses	\$ 162.16	0	\$2,350.00	\$4,522.65	\$2,400.00	\$4,564.00	\$7,000.00
Cost of Water Loss	\$ 5,898.41	\$ 75,688.19	\$43,125.81	\$85,150.23	\$60,680.06	\$62,570.04	\$57,091.70