

Report

The South Platte NRD has completed its fifteenth year of allocations for the Lodgepole Creek Management Area and its thirteenth year of allocations for the District's tableland regions and the South Platte Valley subarea. This report details Industrial Water Usage and Municipal Water Usage.

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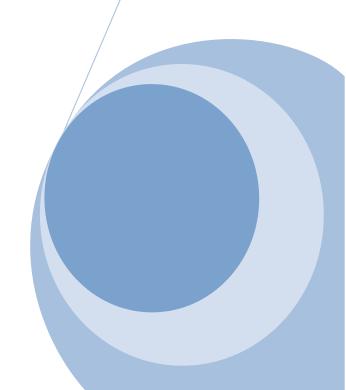


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Subarea: Pine Bluffs to Oliver Reservoir

Analysis Period: 2019 - 2021

Permitted 3-Year Allocation: 42" (for 2019 - 2021)

	2019	2020	2021	Total
High	14.79	23.69	18.86	
Median	8.43	15.91	4.2	
Total Acre-Feet Pumped	2,757.95	4,505.46	4,150	11,413.41
Total Acres-Inches Pumped	33,095.28	54,065.48	49,817.2	136,977.96
Total Acres-Inches Pumped ÷ By Total Acres	8.53	14.35	13.22	36.10
Total Number of Inactive Certified Irrigated Acres	0.0	0.0	0	
Total Number of Active Certified Irrigated Acres	3,878.4	3,768.8	3,768.8	
Total Number of Certified Irrigated Acres	3,878.4	3,768.8	3,768.8	

Range of Inches Used:

Scale	2019	2020	2021
0 - 4	16%	13%	64%
4.01 - 8	26%	3%	14%
8.01 - 12	39%	10%	0%
12.01 - 16	19%	23%	14%
16.01 - 20	0%	37%	9%
20+	0%	13%	0%

Crop	2019 Avg. In.	2019 Percent	2020 Avg. In.	2020 Percent	2021 Avg. In.	2021 Percent
		of Acres		of Acres		of Acres
Alfalfa	7.7	15.5%	16.7	12.9%	9.8	10%
Beans	0.0	0.0%	13.5	1.4%	0	0%
Corn	9.2	38.5%	15.7	31.9%	11	38%
Hay	7.8	2.3%	10.6	16.7%	12.6	9%
Pasture	9.8	26.5%	14.0	25.8%	8.1	17%
Small Grains	5.2	16.0%	4.9	4.6%	5.2	13%
Sugar Beets	13.3	1.3%	20.7	6.6%	5.4	4%
All Crops	8.5	100%	14.3	100%	13.2	100%

Subarea: Oliver Reservoir to Buffalo Bend

Analysis Period: 2019 - 2021

Permitted 3-Year Allocation: 42" (for 2019 - 2021)

	2019	2020	2021	Total
High	51.15	33.17	27.05	
Median	7.75	13.03	7.38	
Total Acre-Feet Pumped	10,251.83	16,998.16	16,670	43,919.99
Total Acres-Inches Pumped	123,021.91	203,977.97	200,054.09	527,053.97
Total Acres-Inches Pumped ÷ By Total Acres	8.27	13.58	13.25	35.1
Total Number of Inactive Certified Irrigated Acres	432.5	291.8	218.2	
Total Number of Active Certified Irrigated Acres	14,880.5	15,021.2	15,094.8	
Total Number of Certified Irrigated Acres	15,313.0	15,313.0	15,313	

Range of Inches Used:

Scale	2019	2020	2021
0 - 4	25%	11%	40%
4.01 - 8	27%	6%	11%
8.01 - 12	39%	26%	15%
12.01 - 16	6%	28%	18%
16.01 - 20	2%	21%	14%
20+	1%	8%	2%

Crop	2019 Avg. In.	2019 Percent	2020 Avg. In.	2020 Percent	2021 Avg. In.	2021 Percent
		of Acres		of Acres		of Acres
Alfalfa	6.8	13.3%	15.9	18.5%	12.8	21%
Beans	7.3	5.9%	12.2	12.8%	13.8	7%
Corn	9.7	49.1%	14.3	41.1%	9.9	40%
Fallow	0.0	0.7%	0.0	0.2%	0	0%
Hay	5.3	5.8%	6.5	9.0%	7.1	5%
Pasture	4.0	1.7%	7.7	1.7%	6.7	3%
Small Grains	3.2	10.9%	8.4	4.2%	7.2	9%
Sugar Beets	11.2	11.9%	17.5	10.6%	16.8	15%
Sunflowers	9.1	0.8%	15.1	1.8%	0	0%
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All Crops	8.2	100%	13.6	100%	13.3	100%

Subarea: Buffalo Bend to Sidney

Analysis Period: 2019 - 2021

Permitted 3-Year Allocation: 42" (for 2019 - 2021)

	2019	2020	2021	Total
High	12.06	19.73	18.53	
Median	4.36	7.08	4	
Total Acre-Feet Pumped	3,869.56	6,435.72	5,530	15,835.28
Total Acres-Inches Pumped	46,434.67	77,228.58	66,305.78	189,969.03
Total Acres-Inches Pumped ÷ By Total Acres	4.99	8.30	7.13	20.42
Total Number of Inactive Certified Irrigated Acres	480.5	350.0	350	
Total Number of Active Certified Irrigated Acres	9,304.4	9,304.4	9,304.5	
Total Number of Certified Irrigated Acres	9,784.9	9,654.4	9,654.5	

Range of Inches Used:

Scale	2019	2020	2021
0 - 4	41%	22%	50%
4.01 - 8	44%	35%	25%
8.01 - 12	13%	24%	19%
12.01 - 16	1%	13%	5%
16.01 - 20	0%	6%	1%
20+	0%	0%	0%

Crop	2019 Avg. In.	2019 Percent	2020 Avg. In.	2020 Percent	2021 Avg. In.	2021 Percent
		of Acres		of Acres		of Acres
Alfalfa	4.8	9.6%	10.5	8.4%	7.6	10%
Beans	6.3	6.3%	7.9	5.3%	7.3	2%
Corn	6.9	34.8%	9.7	43.7%	7.5	29%
Fallow	0.0	0.3%	0.0	0.0%	0	0%
Hay	5.6	17.9%	9.0	13.8%	3	12%
Pasture	3.5	2.8%	6.0	2.8%	5.5	4%
Small Grains	2.3	25.7%	3.3	22.2%	4.9	42%
Sugar Beets	0.0	0.0%	18.9	2.6%	0	0%
Sunflowers	8.0	2.5%	11.2	1.2%	4	1%
All Crops	5.0	100%	8.3	100%	7.1	100%

Subarea: Sidney to Colorado Analysis Period: 2019 - 2021

Permitted 3-Year Allocation: 48" (for 2019 - 2021)

	2019	2020	2021	Total
High	29.41	35.73	20.59	
Median	4.46	13.36	12.12	
Total Acre-Feet Pumped	6,111.68	13,494.20	10,440	30,045.88
Total Acres-Inches Pumped	73,340.12	161,930.39	125,308.54	360,579.05
Total Acres-Inches Pumped ÷ By Total Acres	6.12	13.47	10.34	29.93
Total Number of Inactive Certified Irrigated Acres	625.8	531.1	531.1	
Total Number of Active Certified Irrigated Acres	11,977.9	12,072.5	12,072.5	
Total Number of Certified Irrigated Acres	12,603.7	12,603.6	12,603.6	

Range of Inches Used:

Scale	2019	2020	2021
0 - 4	46%	22%	57%
4.01 - 8	26%	5%	8%
8.01 - 12	18%	16%	17%
12.01 - 16	7%	24%	8%
16.01 - 20	1%	20%	9%
20+	2%	13%	1%

Crop	2019 Avg. In.	2019 Percent	2020 Avg. In.	2020 Percent	2021 Avg. In.	2021 Percent
		of Acres		of Acres		of Acres
Alfalfa	6.4	12.0%	14.9	11.5%	7.4	12%
Beans	4.3	3.2%	15.7	6.7%	7.8	7%
Corn	8.1	55.2%	15.7	59.5%	10.5	59%
Fallow	0.0	1.4%	0.0	3.3%	0	3%
Hay	4.4	8.1%	7.4	10.2%	5.8	10%
Pasture	2.5	2.9%	9.9	4.2%	6.8	4%
Small Grains	1.6	17.2%	4.0	4.6%	5.4	5%
All Crops	6.1	100%	13.5	100%	10.34	100%

Subarea: South Platte Valley

Analysis Period: 2019 - 2021

Permitted 3-Year Allocation: 48" (for 2019 - 2021)

	2019	2020	2021	Total
High	18.49	28.28	28.31	
Median	6.93	15.96	8.07	
Total Acre-Feet Pumped	6,014.64	12,581.97	10,910	29,506.61
Total Acres-Inches Pumped	72,175.70	150,983.64	130,913.18	354,072.52
Total Acres-Inches Pumped ÷ By Total Acres	7.35	15.38	13.34	36.07
Total Number of Inactive Certified Irrigated Acres	133.0	133.0	133	
Total Number of Active Certified Irrigated Acres	9,816.8	9,816.8	9,816.8	
Total Number of Certified Irrigated Acres	9,949.8	9,949.8	9,949.8	

Range of Inches Used:

Scale	2019	2020	2021
0 - 4	22%	16%	36%
4.01 - 8	46%	3%	11%
8.01 - 12	22%	7%	21%
12.01 - 16	7%	25%	20%
16.01 - 20	3%	33%	9%
20+	0%	17%	3%

Crop	2019 Avg. In.	2019 Percent	2020 Avg. In.	2020 Percent	2021 Avg. In.	2021 Percent
		of Acres		of Acres		of Acres
Alfalfa	8.2	4.0%	12.6	3.2%	6.1	2%
Beans	5.7	2.7%	15.2	3.7%	3.3	1%
Corn	7.7	86.0%	16.4	85.6%	12.5	85%
Fallow	0.0	0.5%	0.0	0.0%	0	2%
Hay	3.6	5.9%	2.0	4.2%	15.6	4%
Pasture	0.0	0.1%	14.8	0.7%	7.3	1%
Small Grains	0.0	0.5%	0.0	0.0%	0	0%
Sugar Beets	0.0	0.0%	13.5	1.2%	11.9	4%
Sunflowers	16.5	0.3%	0.0	0.0%	28.3	1%
All Crops	7.4	100%	15.4	100%	13.34	100%

Kimball County Tablelands

Analysis Period: 2019 - 2021

Permitted 3-Year Allocation: 39" (for 2019 - 2021)

	2019	2020	2021	Total
High	16.04	25.37	23.68	
Median	5.65	11.62	10.54	
Total Acre-Feet Pumped	11,894.23	21,909.86	23,970	57,774.09
Total Acres-Inches Pumped	142,730.73	262,918.32	287,691.77	693,340.82
Total Acres-Inches Pumped ÷ By Total Acres	5.57	10.36	11.34	27.27
Total Number of Inactive Certified Irrigated Acres	77.9	333.9	333.9	
Total Number of Active Certified Irrigated Acres	25,622.3	25,366.2	25,366.2	
Total Number of Certified Irrigated Acres	25,700.2	25,700.1	25,700.1	

Range of Inches Used:

Scale	2019	2020	2021
0 - 4	28%	11%	20%
4.01 - 8	49%	15%	18%
8.01 - 12	21%	28%	22%
12.01 - 16	1%	35%	30%
16.01 - 20	1%	6%	6%
20+	0%	5%	5%

Crop	2019 Avg. In.	2019 Percent	2020 Avg. In.	2020 Percent	2021 Avg. In.	2021 Percent
		of Acres		of Acres		of Acres
Alfalfa	6.7	15.7%	12.3	14.4%	8.8	15%
Beans	5.2	8.6%	11.8	6.3%	8.3	9%
Corn	7.4	32.0%	11.9	34.3%	10.6	37%
Fallow	0.0	1.7%	0.0	2.8%	0	0%
Hay	5.6	8.1%	9.1	12.0%	5.6	9%
Other Crop	3.5	0.5%	1.3	1.5%	3.1	1%
Pasture	4.4	6.0%	10.1	5.3%	10.4	9%
Small Grains	2.5	19.8%	8.1	15.6%	4.6	15%
Sugar Beets	8.9	4.8%	13.1	5.4%	12.6	4%
Sunflowers	2.0	2.8%	6.3	2.4%	3.2	1%
All Crops	5.6	100%	10.4	100%	11.3	100%

Cheyenne County Tablelands

Analysis Period: 2019 - 2021

Permitted 3-Year Allocation: 39" (for 2019 - 2021)

	2019	2020	2021	Total
High	20.39	31.37	22.62	
Median	5.19	10.23	9.6	
Total Acre-Feet Pumped	18,254.56	37,001.25	36,150	91,405.81
Total Acres-Inches Pumped	219,054.72	444,014.96	433,784.88	1,096,854.56
Total Acres-Inches Pumped ÷ By Total Acres	4.99	10.11	9.88	24.98
Total Number of Inactive Certified Irrigated Acres	993.0	993.0	993	
Total Number of Active Certified Irrigated Acres	43,896.3	43,912.4	43,912.4	
Total Number of Certified Irrigated Acres	44,889.3	44,905.4	44,905.4	

Range of Inches Used:

Scale	2019	2020	2021
0 - 4	40%	8%	17%
4.01 - 8	43%	18%	21%
8.01 - 12	16%	38%	32%
12.01 - 16	1%	24%	25%
16.01 - 20	0%	10%	4%
20+	0%	2%	1%

Crop	2019 Avg. In.	2019 Percent	2020 Avg. In.	2020 Percent	2021 Avg. In.	2021 Percent
		of Acres		of Acres		of Acres
Alfalfa	8.2	4.6%	14.8	5.5%	9.3	7%
Beans	4.7	15.6%	9.9	22.3%	7.9	14%
Corn	6.1	46.5%	11.6	42.2%	10.4	49%
Hay	3.8	3.4%	9.0	3.5%	7	4%
Other Crop	1.2	1.7%	5.7	0.3%	0	0%
Pasture	7.0	0.5%	13.0	0.6%	5	1%
Small Grains	2.0	23.3%	5.6	19.7%	5.1	21%
Sugar Beets	8.8	4.3%	16.6	2.6%	12.1	4%
Sunflowers	4.0	0.2%	7.5	2.7%	0	0%
All Crops	5.0	100%	10.1	100%	9.9	100%

Water Usage Report

Deuel County Tablelands

Analysis Period: 2019 - 2021

Permitted 3-Year Allocation: 39" (for 2019 - 2021)

	2019	2020	2021	Total
High	13.99	19.98	14.9	
Median	6.68	13.31	9	
Total Acre-Feet Pumped	5,218.06	9,745.03	8,300	23,263.09
Total Acres-Inches Pumped	62,620.88	116,940.40	99,654.74	279,216.02
Total Acres-Inches Pumped ÷ By Total Acres	6.62	12.36	10.53	29.51
Total Number of Inactive Certified Irrigated Acres	458.3	458.3	458.3	
Total Number of Active Certified Irrigated Acres	9,464.6	9,464.6	9,464.6	
Total Number of Certified Irrigated Acres	9,922.9	9,922.9	9,922.9	

Range of Inches Used:

Scale	2019	2020	2021
0 - 4	25%	2%	26%
4.01 - 8	34%	9%	17%
8.01 - 12	25%	25%	37%
12.01 - 16	16%	41%	20%
16.01 - 20	0%	23%	0%
20+	0%	0%	0%

Crop	2019 Avg. In.	2019 Percent	2020 Avg. In.	2020 Percent	2021 Avg. In.	2021 Percent
		of Acres		of Acres		of Acres
Alfalfa	5.8	9.2%	11.3	7.1%	6.2	7%
Beans	3.9	1.7%	10.0	0.5%	4.1	4%
Corn	7.3	77.3%	12.4	79.6%	10.5	77%
Fallow	0.0	2.9%	0.0	0.0%	0	0%
Hay	4.5	5.4%	11.7	7.6%	3.8	6%
Small Grains	3.6	3.6%	14.1	1.4%	3.5	3%
Sugar Beets	0.0	0.0%	15.2	2.8%	12.4	3%
Sunflowers	0.0	0.0%	7.8	1.0%	0	0%
All Crops	6.5	100%	12.4	100%	10.5	100%

Water Usage Report

Districtwide Water Usage

Analysis Period: 2018 - 2021

	2018	2019	2020	2021	Total
High	26.11	51.15	35.73	28.31	
Median	7.20	6.11	11.87	8.02	
Total Acre-Feet Pumped	78,227.34	64,372.84	122,671.64	116,130	381,401.82
Total Acres-Inches Pumped	938,728.05	772,474.11	1,472,059.74	1,393,530.17	4,576,792.07
Total Acres-Inches Pumped ÷ By Total	7.28	6.00	11.44	10.82	35.54
Acres					
Total Number of Inactive Certified Irrigated	3,046.8	3,201.0	3,091.1	3,014.5	
Acres					
Total Number of Active Certified Irrigated	128,995.2	128,841.0	128,727.6	128,801.2	
Acres					
Total Number of Certified Irrigated Acres	132,042	132,042	131,818.7	131,818.7	

Range of Inches Used:

Scale	2018	2019	2020	2021
0 - 4	26%	34%	13%	33%
4.01 - 8	31%	40%	13%	17%
8.01 - 12	30%	21%	26%	23%
12.01 - 16	12%	5%	26%	19%
16.01 - 20	1%	1%	16%	7%
20+	0%	0%	6%	2%

Crop	2018 Avg.	2018	2019 Avg.	2019	2020 Avg.	2020	2021 Avg.	2021
	ln.	Percent of						
		Acres		Acres		Acres		Acres
Alfalfa	8.8	9.3%	6.8	9.4%	13.9	9.7%	9.3	10%
Beans	6.2	9.4%	5.1	8.8%	10.8	11.7%	7.88	8%
Corn	8.6	46.9%	7.4	49.0%	13.1	48.0%	10.5	49%
Fallow	0.0	0.4%	0.0	08%	0.0	0.9%	0	1%
Hay	6.2	6.6%	4.9	6.4%	8.5	7.9%	5.6	8%
Other	3.5	0.9%	2.0	0.7%	2.4	0.4%	2.8	1%
Pasture	7.2	3.6%	5.9	2.9%	11.0	2.9%	7.5	4%
Potatoes	0.0	0.0%	0.0	0.0%	0.0	0.0%	0	0%
Small Grains	3.3	17.8%	2.3	17.3%	6.0	12.5%	5.5	14%
Sugar Beets	12.3	4.0%	9.7	3.8%	16.1	3.9%	13.8	4%
Sunflowers	3.7	0.7%	2.9	0.9%	8.3	1.7%	8.7	1%
All Crops	7.3	100%	6.0	100%	11.4	100%	10.8	100%

South Platte NRD - Industrial Accounting Report 2021

Table 1: Industries with Approved Baselines

Name	Status	Baseline (gallons)	Pumped 2020 (gallons)	Pumped 2021 (gallons)	Carryforward for 2021 (gallons)	Carryforward for 2017-2021 period (gallons)
Chappell Feedlot	baseline	26,952,200	12,303,600	12,040,500	14,911,700	
Clean Harbors*	baseline	35,227,000	37,760,000	39,265,000	-4,038,000	-10,762,000
Croell Redi-Mix	baseline	41,925,776	416,004	329,106	41,596,670	
Dinklage Feedyards	baseline	299,315,624	107,497,245	114,987,281	184,328,343	
Faessler Farms	baseline	55,000,000	0	0	55,000,000	
Frenchman Valley Coop**	baseline	884,822	1,061,570	1,309,909	-425,087	-2,512,819
Gregory, Jerry	baseline	88,605	0	0	88,605	
Johnson, Everett	baseline	22,154,542	0	0	22,154,542	
Four Winds Golf Course	baseline	189,569,845	105,466,833	106,959,200	82,610,645	
M & S Drilling	baseline	655,763	190,080	116,762	539,000	
Madden, Terry****	baseline	1,613,291	2,394,845	1,519,918	93,373	1,814,740
McClung Aerial Spraying***	baseline	581,102	614,500	531,600	49,502	-97,890
McMillen, Marilynn	baseline	2,333,334	0	0	2,333,334	
Mueller/Snyder/Pine Bluffs Gravel****	baseline/offset	5,650,134	28,408,597	23,794,236	0	0
Panhandle Coop Association	baseline	968,600	408,900	547,800	420,800	
Ray Ranch	baseline	3,940,100	362,600	320,400	3,619,700	
Sedgwick County Golf Association	baseline	9,437,798	7,788,600	8,963,100	474,698	
Wells (formerly Yung)	baseline	2,203,750	2,077,303	439,895	1,763,855	
Z & S Construction	baseline	6,348,605	173,500	506,200	5,842,405	

^{*} Clean Harbors has exceeded their baseline seven years in a row. The NRD needs to offset the overage for the 2017-2021 industrial period in 2022. Clean Harbors has/will be retiring 335.5 CIA which should count as our offset pending DNR approval.

^{**} Frenchman Valley Coop exceeded their baseline the last four years. The NRD will have to offset the overage from the 2017-2021 industrial period in 2022. FVC has expanded into some temporary deferment acres that we can hopefully convert to industrial baseline.

^{***} McClung Aerial Spraying was under their baseline this year, but has exceeded it for the 5-year period. Three years ago, the NRD used McClung's unused irrigation allocation as the offset and should be able to do that again this year pending DNR approval.

^{****} Mueller has exceeded his baseline this year but has an ongoing agreement to offset any overages by using his irrigation allocation.

^{*****}Terry Madden exceeded his baseline last year. However, for the 2017-2021 industrial period he is still below the 5-year allotment and will not need to be offset by the NRD.

Table 2: Industries Using Irrigation Allocations as Offsets

Name	Status	Baseline (gallons)	Pumped 2020 (gallons)	Pumped 2021 (gallons)
Hadeen/Pine Bluffs Gravel	offset	NA	4,856,500	6,641,100
Halligan/Paul Reed Construction	offset	NA	0	495,600
Harris/Paul Reed Construction	offset	NA	10,416,656	8,087,819
Hummermeier/IHC	offset	NA	6,165,000	0
Kuehn, Ray/Apex Sand & Gravel	offset	NA	0	645,179
Kuehn, Les/Paul Reed	offset	NA	0	180,500
Marquardt Farms	offset	NA	432,500	0
Nebraska Department of Roads	offset	NA	0	0
Nienhueser Farms	offset	NA	1,160,221	0
Shoemaker/Apex/Paul Reed	offset	NA	0	475,742
Slama	offset	NA	0	0
Smith/Pine Bluffs Gravel	offset	NA	0	0
Tremain (Rushman)/Paul Red	offset	NA	0	217,300
Varra	offset	NA	0	0
Wieser/Paul Reed - denied transfer	penalty	NA	0	809,732

Table 3: Summary of all Industrial Uses

		- ,	
19	Industries with Approved Baselines		
	Baseline (Gallons)	Pumped 2021 (Gallons)	
	704,850,891	306,924,177	311,630,907
15	Industries Using Irrigation Allocations as		
Of	ffsets		
	Baseline (Gallons)	Pumped 2020 (Gallons)	Pumped 2021 (Gallons)
	0	23,030,877	17,552,972

	Pumped 2020 (Gallons)	Pumped 2021 (Gallons)
Total Pumped by 34 Active Industies	329,955,054	329,183,879

Total pumped by industries in 2021: 329,183,879 gallons (35,697,074 gallons offset by irrigation allocations)

12,123 acre inches 1,010 acre feet

This is the equivalent of: approximately 7 pivots (125 acres each) pumping 14 inches per acre

South Platte NRD - Municipal Accounting Report 2021

Municipality	DNR Transfer Permit (gallons)	Baseline (gallons)	Baseline Per Capita Use* (gallons/ person/day)	2020 Usage (gallons)	2020 Per Capita Use** (gallons/ person/day)	2020 Carryforward (gallons)	2021 Usage (gallons)	2021 Per Capita Use*** (gallons/ person/day)	2021 Carryforward (gallons)
Bushnell	NA	13,092,375	221	7,470,325	165	5,622,050	7,116,726	170	5,975,649
Kimball	NA	243,050,000	260	126,756,000	139	116,294,000	135,707,931	162	107,342,169
Dix	NA	72,023,100	739	27,741,400	298	44,281,700	28,124,600	412	43,898,500
Potter	NA	135,421,817	951	88,284,385	718	47,137,432	87,993,797	705	47,428,020
Dalton	NA	70,382,300	580	27,197,500	237	43,184,800	27,481,000	265	42,901,300
Gurley	NA	46,085,050	554	23,751,200	304	22,333,850	30,899,100	453	15,185,950
Sidney	1,300,000,000	633,042,003	276	444,007,000	180	189,035,003	454,645,000	194	178,397,003
Lodgepole	NA	53,443,494	421	35,664,000	307	17,779,494	37,836,000	332	15,607,494
Chappell	NA	116,968,414	326	150,341,600****	443	-33,125,733	114,400,270	371	2,568,144
Big Springs	164,574,899	154,986,748	1,016	59,722,000	409	95,264,748	60,000,000	417	94,986,748
Total		1,538,495,301		990,935,410			984,204,424		
Average			534		320			348	_

^{*}based of 2000 census data

^{**} based off of 2010 census data

^{***}based off of 2020 census data

^{****} Chappell has exceeded their 5-year baseline, but this number does not reflect the transfer of irrigated acres to offset municipal use. In 2016, a transfer of irrigated acres to municipal use was completed which gives them a credit of 13,863,312 gallons each year, or the five year accrual amount of 38,758,971 gallons (positive).

[~] Municipal use remained high this year mainly because of the dry conditions

^{~ 2020} Municipal usage is the equivalent of: approximately 21 pivots (125 acres each) pumping 14 inches per acre

^{~ 2021} Municipal usage is the equivalent of: approximately 21 pivots (125 acres each) pumping 14 inches per acre

SPNRD Water Acquisitions and Water Banking Activities Through 2021 Retired Acres and Other Stream Flow Accretion Activities

Landowner	Decertified Acres	Township	Range	Section	Date Retired	County	Subarea	Appropriation
Terrell Wiekhorst	43.1	14	52	5	9/6/2007	Cheyenne	ORBB	OA
Cliff Farms Inc.	50	14	52	3	9/17/2007	Cheyenne	ORBB	OA
Robert & Connie Runge	75.2	13	51	10	9/27/2007	Cheyenne	SIDCO	OA
Marleen E. Evans Et al	237.8	13	50	4	10/22/2007	Cheyenne	SIDCO	OA
Marleen E. Evans Et al	23.8	14	50	33	10/22/2007	Cheyenne	BBSID	OA
Fornstrom Farms LLC	109.9	14	59	12	11/1/2007	Kimball	PBOR	OA
Dale Dedic	29.8	14	52	4	12/4/2007	Cheyenne	ORBB	OA
Elizabeth Burback	18.3	15	55	20	12/5/2007	Kimball	ORBB	OA
Peetz Land & Cattle Co	22.9	14	49	35	3/14/2008	Cheyenne	SIDCO	OA
B5 Farms LLC	10.1	12	45	13	4/9/2008	Deuel	SIDCO	OA
Paul & Frances Fornander	13.3	13	45	22	7/1/2008	Deuel	SIDCO	OA
Harvey Jung	8.7	14	53	2	7/10/2008	Cheyenne	ORBB	OA
Robert Kurz	271.5	13	50	4	10/23/2008	Cheyenne	SIDCO	OA
Venture Development Group Inc.	66	14	49	32	7/14/2009	Cheyenne	BBSID	OA
Alan Adamson	62.6	15	57	31	9/22/2009	Kimball	PBOR	OA
Sharon A, James C. & Donna Johnson	5.6	15	53	34	7/1/2010	Kimball	ORBB	OA
Raymond Kuehn	83.2	14	51	12	7/1/2010	Cheyenne	BBSID	OA
Raymond Kuehn	42.3	14	51	13	7/1/2010	Cheyenne	BBSID	OA
Scott & Susan Lockwood	43.9	15	57	36	9/1/2010	Kimball	PBOR	OA
Don & Janelle Frerichs	59.6	14	48	27	9/22/2011	Cheyenne	SIDCO	OA
Barton Terman	99	14	52	34	12/28/2011	Cheyenne	BBSID	OA

Landowner	Decertified Acres	Township	Range	Section	Date Retired	County	Subarea	Appropriation
The Ranch at Sidney LLC	35.1	14	49	33	4/8/2014	Cheyenne	SIDCO	OA
City of Chappell	37.5	13	45	23	1/1/2015	Deuel	SIDCO	OA
City of Sidney	87.4	14	49	33	5/12/2015	Cheyenne	SIDCO	OA
Castronics	114.4	15	55	27	12/9/2015	Kimball	ORBB	OA
SRMC	21	14	49	33	4/8/2016	Cheyenne	SIDCO	OA
The Ranch at Sidney LLC	28.2	14	49	32	5/11/2016	Cheyenne	BBSID	OA
JR Norberg Farms	302.8	14	56	19	12/14/2016	Cheyenne	FA-K	Tablelands
Bill Halligan	11.37	15	57	32	10/1/2019	Kimball	ORBB	OA
Freeburg	98.2	14	57	1	10/1/2019	Kimball	ORBB	OA
Harvest Moon Acres	130.5	14	50	7	1/14/2020	Cheyenne	BBSID	OA

Total Number of Acres Decertified = 2,243.07 Lodgepole Creek Valley Acres Decertified = 1,940.27 Fully Appropriated Acres Decertified = 302.8

2021 Precipitation Summary (March 1 through October 31)

Growing Season Monthly Averages for 2021

	March	April	May	June	July	August	September	October
Kimball	1.81	1.25	2.7	1.27	1.07	3.34	.75	.83
Cheyenne	4.04	1.2	2.67	1.59	1.21	.93	1.22	1.29
Deuel	3.15	1.34	3.59	2.36	.56	1.98	1.21	.79

Comparison of 2018, 2019, 2020, and 2021 to Historical Averages

	2018 Precip	2019 Precip	2020 Precip	2021 Precip	
County	Avg.	Avg.	Avg.	Avg.	Historical Avg.
Kimball	17.20	20.32	11.17	11.01	16.22
Cheyenne	22.04	24.13	12.28	17.08	17.68
Deuel	23.52	25.02	12.70	16.49	17.79

South Platte Natural Resources District

Allocation Subareas & Allocations (Acre-inches) for the 2019 through 2021 Allocation Period

