UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Prepared in cooperation with the
SOUTHEASTERN COLORADO WATER CONSERVANCY DISTRICT and the
U.S. BUREAU OF LAND MANAGEMENT

18 Aug 86

WATER-RESOURCES INVESTIGATIONS REPORT 85-4092
PLATE 4

WATER DISTRICT 11

DECREE DATE	Berry	Bray-Allen	Buena Vista Smelting	Champ	Cogan-Day	Derry No. 1	Delappe	Dryfield	Eckstine	Harmony	Helena	Kraft	Langhoff	Martin	Pioneer	Riverside-Allen	Salida	Section House	Sunnyside Park	Upper River	Wells and Star	Wheel	William-Hamm	Younger No. 1	Younger No. 2	Clear Creek Reservoir	Mt. Elbert Forebay	Turquoise Lake	Twin Lakes
01APR1861																												
30APR1861																												
01MAY1861																												
22JUL1861																												
30NOV1861																												
31DEC1861																												
01MAY1862																												
02JUL1863																												
31AUG1863																												
30DEC1863																												
01APR1864																												
31MAY1864																												
02JUL1864																												
13AUG1864																												
28FEB1866																												
31MAY1866																												
30JUN1866																												
31JUL1866																												
09JAN1867																												
31MAY1867																												
01SEP1867																												
12JUN1869																												
01JUL1869																												
01MAY1870																												
31MAY1870																												
30NOV1870																												
31DEC1870																												
31JAN1871																												
13MAR1871																												
01APR1872																												
01MAY1872												5.00																	
01NOV1872																												
31DEC1872																												
01MAR1873																												
31MAY1873																												
18SEP1873																												
31OCT1873																												
01APR1874																												
15MAY1874																												
01APR1875																												
10APR1875																												
20MAY1875														3.43															
30JUN1875																												
30NOV1875																												
31DEC1875																							16.00						
31DEC1876																												
30APR1877																							1.00						
25JUN1877				5.00																									
31DEC1877																												
08APR1878															7.00														
12SEP1878																												
01OCT1878																												
31DEC1878																												
15MAY1879																				14.00				5.71	6.29				
01SEP1879																												
01DEC1879						4.00																							
05MAY1880																						16.00							
08SEP1880													4.80																
01OCT1880																												
31JAN1881																												
28FEB1881																												
01MAR1881																												
04MAY1881																												
15MAY1881																								1.43					
20JUN1881																												
30JUN1881										1.00																			
15DEC1881																												
31DEC1881																												
22FEB1882																1.00													
01MAR1882											1.00																		
04MAR1862																												
31MAR1882																												
01MAY1882																	20.00				8.00								
31MAY1882																												
28SEP1882		5.00																											
23OCT1882								6.20																					
01JAN1883																												
31MAY1883																												
30JUN1883																												
09AUG1883																9.00													
31DEC1883																												
03JAN1884																			14.17										
07MAR1884																												
15APR1884																												
03DEC1884																												
18DEC1884																												
29JAN1885																												
01APR1885																												
30JUN1885																												
11MAR1886																												
20MAR1886																												
01APR1886																												
31MAY1886																												
04NOV1886																												
27NOV1886											19.00																		
21FEB1887																												
25FEB1887																												
01MAR1887																												
10MAR1887																												
01APR1887																												
16APR1887																												
01MAY1887																												
31MAY1887																												
15JUN1887	4.00						5.00																					
14NOV1887																												
17DEC1887																												
13MAR1888																												
06JUL1888																16.00													
01OCT1888			115.00																									
31DEC1888																												
10MAR1889																												
22JUL1889																												
11SEP1889																												
25SEP1889																												
20DEC1889																												
31DEC1889																												
06JAN1890																												
13FEB1890																												
21FEB1890																												
01MAR1890		6.00																											
03MAR1890																												
15APR1890										7.00																			
05MAY1890																												
08JUN1890																												
20JUN1890					3.00																							
09JUL1890									2.00																			
16JUL1890																												
12AUG1890																												
14OCT1890																												
31MAY1891																												
24AUG1891																												
01OCT1891																			25.00										
01DEC1891																												
01JAN1892											16.00																		
02MAR1892																												
31DEC1892																												
01JAN1893																												
01APR1893																												
30AUG1893																												
31AUG1893																												
03SEP1893																												
31DEC1894																												
01DEC1895																												
01AUG1896																												
15DEC1896																													20645
29MAR1897																													33807
01JUN1897																		8.00											
14OCT1897																												
09MAR1898																												
31DEC1900																												
15MAR1902																												
01MAY1902																												17371	
12JUN1902																										9402			
02FEB1903																												
23APR1903																												
10OCT1903																												
25JAN1906																												
30NOV1907																												
12JUN1908																												
29DEC1908																												
15MAR1909																												
15APR1909																												
15MAY1909																												
03SEP1909																												
15SEP1909																												
20AUG1910																												
24FEB1933																										2038			
10FEB1939																												
																											11407	129423	141000
TOTAL	4.00	11.00	115.00	5.00	3.00	4.00	5.00	6.20	2.00	8.00	35.00	5.00	4.80	3.43	7.00	26.00	20.00	8.00	39.17	14.00	8.00	16.00	17.00	7.14	6.29	11440	11407	146794	195452

381.03 — DIRECT FLOW, IN CUBIC FEET PER SECOND

365093 — STORAGE, IN ACRE-FEET

WATER DISTRICT 12

DECREE DATE	Brewer and Kelso	Canon City Mill	Canon City Water Works	Canon City-Oil Creek	Clayborn Extension	Crooked	Fremont Country	Hannenkratt	Hayner	Hydraulic and Fruitland	Ideal Cement	Johns Mannville	Lester Atterbury	Minnequa	Phelps	Pickett	Pleasant Valley	Porter Woodruff and Tells	Pump	Rogers	South Canon	Southern Colorado Power	Union
01APR1861																						
30APR1861																						
01MAY1861											1.05												
22JUL1861														2.00									
30NOV1861																							48.00
31DEC1861																						
01MAY1862						2.00	17.00																
02JUL1863														48.00									
31AUG1863								1.60															
30DEC1863			19.00							77.00													
01APR1864																						
31MAY1864				10.46																			
02JUL1864														20.00									
13AUG1864			3.50																				
28FEB1866						3.00													2.00		7.91		
31MAY1866																			1.00				
30JUN1866																						
31JUL1866																						
09JAN1867																						
31MAY1867				14.27																			
01SEP1867																						
12JUN1869		153.00																				37.00	
01JUL1869																						
01MAY1870																						
31MAY1870											0.50	0.30											
30NOV1870																						
31DEC1870																						
31JAN1871																						
13MAR1871																						
01APR1872																						
01MAY1872																						
01NOV1872			4.68																				
31DEC1872																						
01MAR1873																				2.00			
31MAY1873																						
18SEP1873																						
31OCT1873	0.50																	0.50					
01APR1874																						
15MAY1874																						
01APR1875													3.50											
10APR1875																						
20MAY1875																						
30JUN1875													2.00											
30NOV1875																						
31DEC1875																						
31DEC1876																						
30APR1877																						
25JUN1877																						
31DEC1877																	2.00						
08APR1878																						
12SEP1878																3.80							
01OCT1878																						
31DEC1878																						
15MAY1879																						
01SEP1879					2.00																	
01DEC1879																						
05MAY1880																						
08SEP1880																						
01OCT1880																					3.40		
31JAN1881								1.00															
28FEB1881								0.56															
01MAR1881											1.50											
04MAY1881																						
15MAY1881																						
20JUN1881																						
30JUN1881																						
15DEC1881														5.70									
31DEC1881																						
22FEB1882																						
01MAR1882																						
04MAR1862																			3.00				
31MAR1882																						
01MAY1882																						
31MAY1882									0.60						1.00						23.20		
28SEP1882																						
23OCT1882																						
01JAN1883																						
31MAY1883																	8.00						
30JUN1883											1.00											
09AUG1883																						
31DEC1883																						
03JAN1884																						
07MAR1884																						
15APR1884											2.00											
03DEC1884																						
18DEC1884																		2.36					
29JAN1885																						
01APR1885	1.00							1.00															
30JUN1885																						
11MAR1886																						
20MAR1886								1.00															
01APR1886																						
31MAY1886							0.24															
04NOV1886																						
27NOV1886																						
21FEB1887																						
25FEB1887																						
01MAR1887																						
10MAR1887																						
01APR1887													3.60											
16APR1887																						
01MAY1887																						
31MAY1887							0.28															
15JUN1887																						
14NOV1887																						
17DEC1887																						
13MAR1888																						
06JUL1888																						
01OCT1888																						
31DEC1888																						
10MAR1889																						
22JUL1889																						
11SEP1889																						
25SEP1889																						
20DEC1889																						
31DEC1889																						
06JAN1890																						
13FEB1890														1.64									
21FEB1890																						
01MAR1890																						
03MAR1890																						
15APR1890																						
05MAY1890																						
08JUN1890																						
20JUN1890																						
09JUL1890																						
16JUL1890																						
12AUG1890																						
14OCT1890																						
31MAY1891							0.41											1.00					
24AUG1891																						
01OCT1891																						
01DEC1891																						
01JAN1892																						
02MAR1892																						
31DEC1892																						
01JAN1893																						
01APR1893																						
30AUG1893																						
31AUG1893																						
03SEP1893																						
31DEC1894																						
01DEC1895																						
01AUG1896																						
15DEC1896																						
29MAR1897																						
01JUN1897																						
14OCT1897																						15.00	
09MAR1898																						
31DEC1900																						
15MAR1902											11.50											
01MAY1902																						
12JUN1902																						
02FEB1903																						
23APR1903											3.50											
10OCT1903																						
25JAN1906																						
30NOV1907																						
12JUN1909																						
29DEC1908																						
15MAR1909																						9.00	
15APR1909																						
15MAY1909																						
03SEP1909																						
15SEP1909																						
20AUG1910																						
24FEB1933														150.00									
10FEB1939																						
TOTAL	1.50	153.00	27.18	24.73	2.00	5.00	17.93	5.16	0.60	77.00	21.05	0.30	9.10	227.34	1.00	3.80	10.00	3.86	6.00	2.00	34.51	61.00	48.00

742.06 — DIRECT FLOW, IN CUBIC FEET PER SECOND

WATER DISTRICT 14

DECREE DATE	Arkansas	Bessemer	Collier	Colorado	Excelsior	Hamp Bell	Highline	Oxford Farmers	Pueblo Water Works	Riverside Dairy	St.Charles Mesa	West Pueblo	Wheel Ranch	Lake Henry	Lake Meredith	Pueblo Reservoir
01APR1861									7.00							
30APR1861		2.00														
01MAY1861															
22JUL1861															
30NOV1861															
31DEC1861		20.00					40.00										
01MAY1862															
02JUL1863															
31AUG1863															
30DEC1863															
01APR1864									8.00							
31MAY1864		3.74														
02JUL1864															
13AUG1864															
28FEB1866															
31MAY1866															
30JUN1866		3.00														
31JUL1866											1.20					
09JAN1867		2.50														
31MAY1867		5.13														
01SEP1867							0.60	13.40								
12JUN1869															
01JUL1869							16.00									
01MAY1870									2.50							
31MAY1870															
30NOV1870		1.47				1.03										
31DEC1870		3.40														
31JAN1871									2.20							
13MAR1871									1.80							
01APR1872												1.20				
01MAY1872									4.60							
01NOV1872															
31DEC1872											2.60					
01MAR1873															
31MAY1873															
18SEP1873		2.00														
31OCT1873															
01APR1874									45.00			1.00				
15MAY1874															
01APR1875															
10APR1875															
20MAY1875															
30JUN1875															
30NOV1875															
31DEC1875															
31DEC1876		3.00														
30APR1877															
25JUN1877															
31DEC1877															
08APR1878															
12SEP1878															
01OCT1878												0.60				
31DEC1878		0.41				0.29										
15MAY1879															
01SEP1879															
01DEC1879															
05MAY1880															
08SEP1880															
01OCT1880															
31JAN1881															
28FEB1881															
01MAR1881															
04MAY1881		14.00														
15MAY1881															
20JUN1881		2.00														
30JUN1881															
15DEC1881															
31DEC1881									2.00							
22FEB1882															
01MAR1882															
04MAR1862															
31MAR1882		8.00														
01MAY1882															
31MAY1882															
28SEP1882															
23OCT1882															
01JAN1883										1.00						
31MAY1883															
30JUN1883															
09AUG1883															
31DEC1883															
03JAN1884															
07MAR1884							32.50									
15APR1884															
03DEC1884															
18DEC1884															
29JAN1885															
01APR1885															
30JUN1885							30.00									
11MAR1886							2.00									
20MAR1886															
01APR1886									2.46							
31MAY1886															
04NOV1886															
27NOV1886															
21FEB1887															
25FEB1887								116.00								
01MAR1887															
10MAR1887			4.00													
01APR1887															
16APR1887															
01MAY1887		322.00	22.00		20.00											
31MAY1887															
15JUN1887															
14NOV1887															
17DEC1887												15.00				
13MAR1888															
06JUL1888															
01OCT1888															
31DEC1888						1.60									
10MAR1889															
22JUL1889															
11SEP1889															
25SEP1889															
20DEC1889															
31DEC1889														6353		
06JAN1890					40.00		380.50									
13FEB1890															
21FEB1890															
01MAR1890															
03MAR1890															
15APR1890															
05MAY1890															
08JUN1890				756.28											
20JUN1890															
09JUL1890															
16JUL1890															
12AUG1890															
14OCT1890															
31MAY1891													1.50			
24AUG1891															
01OCT1891															
01DEC1891															
01JAN1892															
02MAR1892															
31DEC1892	1.50															
01JAN1893															
01APR1893															
30AUG1893															
31AUG1893															
03SEP1893															
31DEC1894									7.00							
01DEC1895															
01AUG1896															
15DEC1896															
29MAR1897															
01JUN1897															
14OCT1897															
09MAR1898															26028	
31DEC1900															
15MAR1902															
01MAY1902															
12JUN1902															
02FEB1903															
23APR1903															
10OCT1903															
25JAN1906															
30NOV1907															
12JUN1909															
29DEC1908															
15MAR1909															
15APR1909															
15MAY1909														3561		
03SEP1909															
15SEP1909															
20AUG1910															
24FEB1933															
10FEB1939																357678
TOTAL	1.50	392.55	26.00	756.28	60.00	2.92	501.60	129.40	82.36	1.00	3.80	17.80	1.50	9914	26028	357678

1976.81 — DIRECT FLOW, IN CUBIC FEET PER SECOND

393620 — STORAGE, IN ACRE-FEET

WATER DISTRICT 17

DECREE DATE	Baldwin Stubbs	Catlin	Fort Lyon	Holbrook	Las Animas Consol. Ext.	Las Animas Consolidated	Otero	Potter	Rocky Ford	Adobe Creek Reservoir	Dye Reservoir	Great Plains System	Holbrook Reservoir	Horse Creek Reservoir
01APR1861													
30APR1861													
01MAY1861													
22JUL1861													
30NOV1861													
31DEC1861													
01MAY1862													
02JUL1863													
31AUG1863													
30DEC1863													
01APR1864													
31MAY1864													
02JUL1864													
13AUG1864													
28FEB1866													
31MAY1866													
30JUN1866													
31JUL1866													
09JAN1867													
31MAY1867													
01SEP1867													
12JUN1869													
01JUL1869													
01MAY1870													
31MAY1870													
30NOV1870													
31DEC1870													
31JAN1871													
13MAR1871													
01APR1872													
01MAY1872													
01NOV1872													
31DEC1872													
01MAR1873													
31MAY1873													
18SEP1873													
31OCT1873													
01APR1874													
15MAY1874									111.76					
01APR1875													
10APR1875		22.00				22.00									
20MAY1875													
30JUN1875													
30NOV1875													
31DEC1875													
31DEC1876													
30APR1877													
25JUN1877													
31DEC1877													
08APR1878													
12SEP1878													
01OCT1878													
31DEC1878													
15MAY1879													
01SEP1879													
01DEC1879													
05MAY1880													
08SEP1880													
01OCT1880													
31JAN1881													
28FEB1881													
01MAR1881													
04MAY1881													
15MAY1881													
20JUN1881													
30JUN1881													
15DEC1881													
31DEC1881													
22FEB1882													
01MAR1882													
04MAR1862													
31MAR1882													
01MAY1882													
31MAY1882													
28SEP1882													
23OCT1882													
01JAN1883													
31MAY1883													
30JUN1883													
09AUG1883													
31DEC1883													
03JAN1884													
07MAR1884						5.50									
15APR1884			164.64												
03DEC1884		226.00				22.00									
18DEC1884													
29JAN1885													
01APR1885													
30JUN1885													
11MAR1886													
20MAR1886													
01APR1886													
31MAY1886													
04NOV1886													
27NOV1886													
21FEB1887													
25FEB1887													
01MAR1887			597.16												
10MAR1887													
01APR1887													
16APR1887													
01MAY1887													
31MAY1887													
15JUN1887													
14NOV1887		97.00												
17DEC1887													
13MAR1888						80.00									
06JUL1888													
01OCT1888													
31DEC1888													
10MAR1889													
22JUL1889													
11SEP1889													
25SEP1889				155.00										
20DEC1889													
31DEC1889													
06JAN1890													
13FEB1890													
21FEB1890								13.00						
01MAR1890													
03MAR1890							123.00							
15APR1890													
05MAY1890									96.54					
08JUN1890													
20JUN1890													
09JUL1890													
16JUL1890													
12AUG1890													
14OCT1890													
31MAY1891													
24AUG1891													
01OCT1891													
01DEC1891													
01JAN1892													
02MAR1892													4247	
31DEC1892													
01JAN1893													
01APR1893													
30AUG1893				445.00										
31AUG1893			171.20												
03SEP1893													
31DEC1894													
01DEC1895													
01AUG1896												265552		
15DEC1896													
29MAR1897													
01JUN1897													
14OCT1897													
09MAR1898													
31DEC1900													
15MAR1902													
01MAY1902													
12JUN1902													
02FEB1903							334.92							
23APR1903													
10OCT1903											4500			
25JAN1906										61575				26887
30NOV1907	22.00													
12JUN1909														1113
29DEC1908										25425				
15MAR1909													
15APR1909					44.80									
15MAY1909													
03SEP1909											3486			
15SEP1909													3196	
20AUG1910													
24FEB1933													
10FEB1939													
TOTAL	22.00	345.00	933.00	600.00	44.80	129.50	457.92	13.00	208.30	87000	7986	265552	7443	28000

2753.52 — DIRECT FLOW, IN CUBIC FEET PER SECOND

395981 — STORAGE, IN ACRE-FEET

WATER DISTRICT 67

DECREE DATE	Abe Peterson	Amity	Buffalo	Fort Bent	Hyde	Keesee	Lamar	Manvel	Sisson and Stubbs	X-Y	John Martin Reservoir	Cumulative Direct Decrees
01APR1861													7
30APR1861													9
01MAY1861													10
22JUL1861													12
30NOV1861													60
31DEC1861													80
01MAY1862													122
02JUL1863													187
31AUG1863													189
30DEC1863													208
01APR1864													293
31MAY1864													303
02JUL1864													327
13AUG1864													330
28FEB1866													338
31MAY1866													344
30JUN1866													347
31JUL1866													348
09JAN1867													351
31MAY1867													365
01SEP1867													371
12JUN1869													421
01JUL1869													590
01MAY1870													593
31MAY1870													593
30NOV1870													595
31DEC1870													600
31JAN1871													602
13MAR1871						9.00						603
01APR1872													614
01MAY1872													619
01NOV1872													628
31DEC1872													630
01MAR1873													632
31MAY1873	1.30											639
18SEP1873													641
31OCT1873													641
01APR1874													643
15MAY1874													800
01APR1875													803
10APR1875													825
20MAY1875													850
30JUN1875													852
30NOV1875							15.75					868
31DEC1875													884
31DEC1876													887
30APR1877													888
25JUN1877													893
31DEC1877													895
08APR1878													902
12SEP1878													906
01OCT1878													907
31DEC1878													907
15MAY1879													913
01SEP1879													935
01DEC1879													939
05MAY1880													955
08SEP1880													960
01OCT1880													963
31JAN1881													964
28FEB1881													965
01MAR1881													967
04MAY1881													981
15MAY1881													982
20JUN1881													984
30JUN1881													985
15DEC1881													991
31DEC1881													993
22FEB1882													994
01MAR1882													995
04MAR1862													998
31MAR1882													1006
01MAY1882													1014
31MAY1882													1057
28SEP1882													1063
23OCT1882													1070
01JAN1883													1071
31MAY1883													1079
30JUN1883													1080
09AUG1883													1089
31DEC1883						4.50						1093
03JAN1884													1107
07MAR1884													1140
15APR1884													1147
03DEC1884													1538
18DEC1884													1562
29JAN1885			67.50										1630
01APR1885													1631
30JUN1885													1662
11MAR1886													1664
20MAR1886													1665
01APR1886				27.77									1667
31MAY1886													1695
04NOV1886							72.09					1767
27NOV1886													1786
21FEB1887		283.50											2070
25FEB1887													2186
01MAR1887													2783
10MAR1887													2787
01APR1887													2791
16APR1887							13.64					2804
01MAY1887													3126
31MAY1887					23.44								3169
15JUN1887													3197
14NOV1887													3298
17DEC1887													3313
13MAR1888													3393
06JUL1888													3409
01OCT1888													3524
31DEC1888													3526
10MAR1889				32.77									3558
22JUL1889										69.00		3627
11SEP1889							11.70					3639
25SEP1889													3794
20DEC1889									7.54			3802
31DEC1889												
06JAN1890													3842
13FEB1890													4224
21FEB1890													4237
01MAR1890													4243
03MAR1890													4366
15APR1890													4373
05MAY1890													4469
08JUN1890													5226
20JUN1890													5229
09JUL1890													5231
16JUL1890							184.27					5415
12AUG1890				26.77									5442
14OCT1890								54.00				5496
31MAY1891													5496
24AUG1891										61.00		5560
01OCT1891													5585
01DEC1891									18.00			5603
01JAN1892													5619
02MAR1892												
31DEC1892													5620
01JAN1893				50.00									5670
01APR1893		500.00											6170
30AUG1893													6615
31AUG1893													6786
03SEP1893						15.00						6801
31DEC1894													6808
01DEC1895									7.20			6815
01AUG1896												
15DEC1896												
29MAR1897												
01JUN1897													6823
14OCT1897													6838
09MAR1898												
31DEC1900				80.00									6918
15MAR1902													6930
01MAY1902												
12JUN1902												
02FEB1903													7265
23APR1903													7268
10OCT1903												
25JAN1906												
30NOV1907													7290
12JUN1909												
29DEC1908												
15MAR1909													7299
15APR1909													7344
15MAY1909												
03SEP1909												
15SEP1909												
20AUG1910												
24FEB1933													7494
10FEB1939												
											655000	
TOTAL	6.30	783.50	67.50	217.31	23.44	28.50	297.45	54.00	32.74	130.00	655000	

1640.74 — DIRECT FLOW, IN CUBIC FEET PER SECOND

CHART SHOWING MAJOR WATER RIGHTS ALONG THE ARKANSAS RIVER IN COLORADO