

Republican River Compact Administration Compact Accounting for 2005

Spreadsheet name: RRCA Accounting for 2005

Last update: 31-Jul-06

Starting workbook name: RRCA Accounting for 2004_Sept06_2005.xls By NDNR

Attachment 6 Column L formula corrected to avoid double-counting for BCU below Guide Rock
Column headings for Columns N, O, and P are corrected
Operating sign in Column N was corrected to be a minus.
Column cell reference in Column O corrected.

Table 5C Links to T1, Attachment 6, and GM_output sheets are provided.

5/1/2006 2006 Updates

Spreadsheet name: RRCA AccountingFor2005.xls
Attachment 7 updated
CoutlandAvLove updated
Reservoir Data updated
Stream Gage Data updated
NE Non-Federal reservoir Evap updated
NE Canal Diversion updated

6/14/2006

Spreadsheet name: RRCA AccountingFor2005(June14, 2006).xls
Impact 2005 Updated
Formatting according to the KS RRCA Accounting for 2005 first guess.xls
KS Surface Water Pumping data Updated

6/19/2006

Stream Flow Data Refined with USGS Data Provided by Soenksen

6/22/2006 RRCA AccountingFor2005(June22, 2006NE).xls

Reservoir Data linked to the Fed_Reservoir sheet
Lovewell Reservoir Evap charged to the Republican River updated.

27-Jun Megan added CO data

31-Jul D. Barfield added Willem's 7/31 model results

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8/1/2006 NE non-federal Reservoir net evaporation data updated, the NFR above
Guide Rock moved from North Fork to Mainstem subbasin
Impact 2005 updated,

8/2/2006 White Rock Creek related rows in INPUT and MAINSTEM sheets are deleted

Table 1: Annual Virgin and Computed Water Supply, Allocations, and Computed Beneficial Consumptive Uses by State, Main Stem, and Sub-Basin

2005 Basin	Virgin Water Supply		Computed Water Supply		Allocations				Computed Beneficial Consumptive Use			KS Trib Allocation - CU	KS Trib compliance	NE Water-Short Year CBCU - (Allocation + 0.489 Unallocated)
	Supply	Water Supply	Colorado	Kansas	Nebraska	Unallocated	Colorado	Kansas	Nebraska	Colorado	Kansas			
North Fork	44,800	44,800	10,040	0	11,020	23,740	17,530	20	4,290			(20)	23,720	-18338.86
Anikaree	2,370	2,370	1,860	120	400	-10	810	160	250			(40)	1,000	-145.11
Buffalo	6,050	6,050	0	0	2,000	4,050	310	0	3,510			0	4,050	-470.45
Rock	9,360	9,360	0	0	3,740	5,620	60	0	3,830			0	5,620	-2658.18
South Fork	26,050	27,550	12,230	11,080	390	3,850	18,660	7,520	1,370			3,560	7,410	-902.65
Frenchman	111,150	111,150	0	0	59,580	51,570	40	0	87,000			0	51,570	2202.27
Driftwood	3,400	3,400	0	230	550	2,610	0	10	1,480			220	2,830	-356.29
Red Willow	16,390	14,590	0	0	2,800	11,790	0	0	8,830			0	11,790	264.69
Medicine	40,040	34,440	0	0	3,130	31,310	0	0	21,370			0	31,310	2929.41
Beaver	4,560	4,560	910	1,770	1,850	30	0	1,660	2,730			110	1,050	865.33
Sappa	-310	-310	0	-130	-130	-50	0	-1,180	790			1,050	1,000	944.45
Prairie Dog	11,720	11,520	0	5,310	880	5,430	0	8,180	40			(2,870)	2,560	
Main Stem	116,060	90,460	0	46,230	44,230	0	-1,970	27,940	117,000			18,290	20,260	
Total All Basins	391,640	360,040	25,040	64,610	130,450	139,940	35,440	44,310	252,490			20,300	160,240	
Main Stem Including Unallocated		230,400	0	117,740	112,660							91,810	91,810	-19160.66
Total	391,640	360,040	25,040	136,120	198,680	0	35,440	44,310	252,490			91,810	91,810	-19160.66

We are under our allocations in the sub-basins when taken as a whole

Look at Table 5E

Beaver Creek no CU from Colorado = 0 even with 66,000 AF Pumping