

	A	B	C	D
1	Privileged & Confidential Attorney-Client			
2	Communication And/Or Work Product			
3				
4	North Fork Republican River Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	14701	14023	14373
10	GW CBCU Kansas	15	17	16
11	GW CBCU Nebraska	1444	1402	1446
12				
13	Surface Water Data			
14	North Fork Republican River At Colorado-Nebraska State Line	21060	17700	19759
15	Haigler Canal Diversions - Colorado	2072	1948	2072
16	SW Diversions - Irrigation -Non-Federal Canals- Colorado	2888.7	2410	2888.7
17	SW Diversions - Irrigation - Small Pumps - Colorado	0	0	0
18	SW Diversions - M&I - Colorado	0	0	0
19	Haigler Canal Diversions - Nebraska	4745	4965	3732
20	Non-Federal Reservoir Evaporation - Colorado	46.163333	0	46.163333
21	North Fork Flood Flow	0	0	0
22				
23	Consumptive Use Calculations			
24	Colorado			
25	Haigler Canal CBCU	1243.2	1168.8	1243.2
26	SW CBCU - Irrigation - Non Federal Canals	1733.22	1446	1733.22
27	SW CBCU - Irrigation - Small Pumps	0	0	0
28	SW CBCU - M&I	0	0	0
29	Non-Federal Reservoir Evaporation	46.163333	0	46.163333
30	SW CBCU	3023	2614.8	3022.583
31	GW CBCU	14701	14023	14373
32	Total CBCU	17720	16640	17400
33				
34	Kansas			
35	GW CBCU	15	17	16
36	Total CBCU	20	20	20
37				
38	Nebraska			
39	Haigler Canal CBCU	2847	2979	2239.2
40	SW CBCU	2847	2979	2239.2
41	GW CBCU	1444	1402	1446
42	Total CBCU	4290	4380	3690
43				
44	Totals			
45	Total SW CBCU	5870	5593.8	5261.783
46	Total GW CBCU	16160	15442	15835
47	Total Basin CBCU	22030	21035.8	21096.78
48				
49	Virgin Water Supply			
50	North Fork Republican River At Colorado-Nebraska State Line	21060	17700	19759
51	Nebraska Haigler Canal Return Flow To Main Stem	1898	1986	1492.8
52	Colorado CBCU	17720	16640	17400
53	Kansas CBCU	20	20	20
54	Nebraska CBCU	4290	4380	3690
55	Imported Water	0	0	0
56	Virgin Water Supply	44990	40730	42360
57	Adjustment For Flood Flows	0	0	0
58	Computed Water Supply	44990	40730	42360
59				
60	Allocations			
61	Colorado Percent Of Allocation	22.4%	0.224	0.224
62	Colorado Allocation	10080	9120	9490
63	Kansas Percent Of Allocation	0.0%	0	0
64	Kansas Allocation	0	0	0
65	Nebraska Percent Of Allocation	24.6%	0.246	0.246
66	Nebraska Allocation	11070	10020	10420
67	Total Basin Allocation	21150	19140	19910
68	Percent Of Supply Not Allocated	53.0%	0.53	0.53
69	Quantity Of Unallocated Supply	23840	21590	22450

	A	B	C	D
1	Privileged & Confidential Attorney-Client			
2	Communication And/Or Work Product			
3				
4	Arikaree River Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	831	242	353
10	GW CBCU Kansas	114	100	116
11	GW CBCU Nebraska	241	508	431
12				
13	Surface Water Data			
14	Arikaree River At Haigler	1151	1060	341
15	SW Diversions - Irrigation - Non-Federal Canals - Colorado	0	0	0
16	SW Diversions - Irrigation - Small Pumps - Colorado	0	0	0
17	SW Diversions - M&I - Colorado	0	0	0
18	SW Diversions - Irrigation - Non-Federal Canals - Kansas	0	0	0
19	SW Diversions - Irrigation - Small Pumps - Kansas	0	0	0
20	SW Diversions - M&I - Kansas	0	0	0
21	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
22	SW Diversions - Irrigation - Small Pumps - Nebraska	0	0	0
23	SW Diversions - M&I - Nebraska	0	0	0
24	Non-Federal Reservoir Evaporation - Colorado	0	0	0
25	Non-Federal Reservoir Evaporation - Kansas	40.5	0	40.5
26	Non-Federal Reservoir Evaporation - Nebraska	0	0	0
27	Arikaree Flood Flow	0	0	0
28				
29	Consumptive Use Calculations			
30	Colorado			
31	SW CBCU - Irrigation - Non Federal Canals	0	0	0
32	SW CBCU - Irrigation - Small Pumps	0	0	0
33	SW CBCU - M&I	0	0	0
34	Non-Federal Reservoir Evaporation	0	0	0
35	SW CBCU	0	0	0
36	GW CBCU	831	242	353
37	Total CBCU	830	240	350
38				
39	Kansas			
40	SW CBCU - Irrigation - Non Federal Canals	0	0	0
41	SW CBCU - Irrigation - Small Pumps	0	0	0
42	SW CBCU - M&I	0	0	0
43	Non-Federal Reservoir Evaporation	40.5	0	40.5
44	SW CBCU	41	0	40.5
45	GW CBCU	114	100	116
46	Total CBCU	150	100	160
47				
48	Nebraska			
49	SW CBCU - Irrigation - Non Federal Canals	0	0	0
50	SW CBCU - Irrigation - Small Pumps	0	0	0
51	SW CBCU - M&I	0	0	0
52	Non-Federal Reservoir Evaporation	0	0	0
53	SW CBCU	0	0	0
54	GW CBCU	241	508	431
55	Total CBCU	240	510	430
56				
57	Totals			
58	Total SW CBCU	41	0	40.5
59	Total GW CBCU	1186	850	900
60	Total Basin CBCU	1230	850	940
61				
62	Virgin Water Supply			
63	Arikaree River At Haigler	1151	1060	341
64	Colorado CBCU	830	240	350
65	Kansas CBCU	150	100	160
66	Nebraska CBCU	240	510	430
67	Imported Water	0	0	0
68	Virgin Water Supply	2370	1910	1280
69	Adjustment For Flood Flows	0	0	0
70	Computed Water Supply	2370	1910	1280
71				
72	Allocations			
73	Colorado Percent Of Allocation	78.5%	0.785	0.785
74	Colorado Allocation	1860	1500	1000
75	Kansas Percent Of Allocation	5.1%	0.051	0.051
76	Kansas Allocation	120	100	70
77	Nebraska Percent Of Allocation	16.8%	0.168	0.168
78	Nebraska Allocation	400	320	220
79	Total Basin Allocation	2380	1920	1290
80	Percent Of Supply Not Allocated	-0.4%	-0.004	-0.004
81	Quantity Of Unallocated Supply	-10	-10	-10

	A	B	C	D
1	Privileged & Confidential Attorney-Client			
2	Communication And/Or Work Product			
3				
4	Buffalo Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	306	265	290
10	GW CBCU Kansas	0	0	0
11	GW CBCU Nebraska	3357	3338	3333
12				
13	Surface Water Data			
14	Buffalo Creek Near Haigler	2227	2090	2276
15	SW Diversions - Irrigation - Non-Federal Canals - Colorado	0	0	0
16	SW Diversions - Irrigation - Small Pumps - Colorado	0	0	0
17	SW Diversions - M&I - Colorado	0	0	0
18	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	171.45	587	334
19	SW Diversions - Irrigation - Small Pumps - Nebraska	33.67	70.2	55.7
20	SW Diversions - M&I - Nebraska	0	0	0
21	Non-Federal Reservoir Evaporation - Colorado	0	0	0
22	Non-Federal Reservoir Evaporation - Nebraska	21	0	21.7
23	Buffalo Flood Flow	0	0	0
24				
25	Consumptive Use Calculations			
26	Colorado			
27	SW Diversions - Irrigation - Non-Federal Canals - Colorado	0	0	0
28	SW Diversions - Irrigation - Small Pumps - Colorado	0	0	0
29	SW Diversions - M&I - Colorado	0	0	0
30	Non-Federal Reservoir Evaporation - Colorado	0	0	0
31	SW CBCU	0	0	0
32	GW CBCU	306	265	290
33	Total CBCU	310	270	290
34				
35	Kansas			
36	GW CBCU	0	0	0
37	Total CBCU	0	0	0
38				
39	Nebraska			
40	SW CBCU - Irrigation - Non Federal Canals	102.87	352.2	200.4
41	SW CBCU - Irrigation - Small Pumps	25	52.65	41.775
42	SW CBCU - M&I	0	0	0
43	Non-Federal Reservoir Evaporation	21	0	21.7
44	SW CBCU	149	404.85	263.875
45	GW CBCU	3357	3338	3333
46	Total CBCU	3510	3740	3600
47				
48	Totals			
49	Total SW CBCU	149	404.85	263.875
50	Total GW CBCU	3663	3603	3623
51	Total Basin CBCU	3810	4010	3890
52				
53	Virgin Water Supply			
54	Buffalo Creek Near Haigler	2227	2090	2276
55	Colorado CBCU	310	270	290
56	Kansas CBCU	0	0	0
57	Nebraska CBCU	3510	3740	3600
58	Imported Water	0	0	0
59	Virgin Water Supply	6050	6100	6170
60	Adjustment For Flood Flows	0	0	0
61	Computed Water Supply	6050	6100	6170
62				
63	Allocations			
64	Colorado Percent Of Allocation	0.0%	0	0
65	Colorado Allocation	0	0	0
66	Kansas Percent Of Allocation	0.0%	0	0
67	Kansas Allocation	0	0	0
68	Nebraska Percent Of Allocation	33.0%	0.33	0.33
69	Nebraska Allocation	2000	2010	2040
70	Total Basin Allocation	2000	2010	2040
71	Percent Of Supply Not Allocated	67.0%	0.67	0.67
72	Quantity Of Unallocated Supply	4050	4090	4130

	A	B	C	D
1	Privileged & Confidential Attorney-Client			
2	Communication And/Or Work Product			
3				
4	Rock Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	61	59	58
10	GW CBCU Kansas	0	0	0
11	GW CBCU Nebraska	3742	3419	3581
12				
13	Surface Water Data			
14	Rock Creek At Parks	5466	4710	5419
15	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
16	SW Diversions - Irrigation - Small Pumps - Nebraska	0	0	0
17	SW Diversions - M&I - Nebraska	0	0	0
18	Non-Federal Reservoir Evaporation - Nebraska	82	0	64
19	Rock Flood Flow	0	0	0
20				
21	Consumptive Use Calculations			
22	Colorado			
23	GW CBCU	61	59	58
24	Total CBCU	60	60	60
25				
26	Kansas			
27	GW CBCU	0	0	0
28	Total CBCU	0	0	0
29				
30	Nebraska			
31	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
32	SW CBCU - Irrigation - Small Pumps	0	0	0
33	SW CBCU - M&I	0	0	0
34	Non-Federal Reservoir Evaporation	82	0	64
35	SW CBCU	82	0	64
36	GW CBCU	3742	3419	3581
37	Total CBCU	3820	3420	3650
38				
39	Totals			
40	Total SW CBCU	82	0	64
41	Total GW CBCU	3803	3478	3639
42	Total Basin CBCU	3890	3480	3700
43				
44	Virgin Water Supply			
45	Rock Creek At Parks	5466	4710	5419
46	Colorado CBCU	60	60	60
47	Kansas CBCU	0	0	0
48	Nebraska CBCU	3820	3420	3650
49	Imported Water	0	0	0
50	Virgin Water Supply	9350	8190	9130
51	Adjustment For Flood Flows	0	0	0
52	Computed Water Supply	9350	8190	9130
53				
54	Allocations			
55	Colorado Percent Of Allocation	0.0%	0	0
56	Colorado Allocation	0	0	0
57	Kansas Percent Of Allocation	0.0%	0	0
58	Kansas Allocation	0	0	0
59	Nebraska Percent Of Allocation	40.0%	0.4	0.4
60	Nebraska Allocation	3740	3280	3650
61	Total Basin Allocation	3740	3280	3650
62	Percent Of Supply Not Allocated	60.0%	0.6	0.6
63	Quantity Of Unallocated Supply	5610	4910	5480

	A	B	C	D
1	Privileged & Confidential Attorney-Client			
2	Communication And/Or Work Product			
3				
4	South Fork Republican River Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	14924	12115	12874
10	GW CBCU Kansas	7132	5351	5781
11	GW CBCU Nebraska	1387	1347	1202
12				
13	Surface Water Data			
14	South Fork Republican River Near Benkelman	0	905.3587	0
15	Bonny Reservoir Evaporation	3429.5	3375	3158.1
16	Bonny Reservoir Change In Storage	-1500	-2226	-2900
17	Hale Ditch Diversions	0	0	0
18	SW Diversions - Irrigation - Non-Federal Canals - Colorado	1283.3	996	1283.3
19	SW Diversions - Irrigation - Small Pumps - Colorado	0	0	0
20	SW Diversions - M&I - Colorado	0	0	0
21	SW Diversions - Irrigation - Non-Federal Canals - Kansas	0	0	0
22	SW Diversions - Irrigation - Small Pumps - Kansas	13	39	25
23	SW Diversions - M&I - Kansas	0	0	0
24	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
25	SW Diversions - Irrigation - Small Pumps - Nebraska	0	0	0
26	SW Diversions - M&I - Nebraska	0	0	0
27	Non-Federal Reservoir Evaporation - Colorado	0	0	0
28	Non-Federal Reservoir Evaporation - Kansas	284.5	0	284.5
29	Non-Federal Reservoir Evaporation - Nebraska	0	0	0
30	Southfork Flood Flow	0	0	0
31				
32	Consumptive Use Calculations			
33	Colorado			
34	Hale Ditch CBCU	0	0	0
35	SW CBCU - Irrigation - Non Federal Canals	769.98	597.6	769.98
36	SW CBCU - Irrigation - Small Pumps	0	0	0
37	SW CBCU - M&I	0	0	0
38	Non-Federal Reservoir Evaporation	0	0	0
39	Bonny Reservoir Evaporation	3429.5	3375	3158.1
40	SW CBCU	4199	3972.6	3928.08
41	GW CBCU	14924	12115	12874
42	Total CBCU	19120	16090	16800
43				
44	Kansas			
45	SW CBCU - Irrigation - Non Federal Canals	0	0	0
46	SW CBCU - Irrigation - Small Pumps	9.75	29.25	18.75
47	SW CBCU - M&I	0	0	0
48	Non-Federal Reservoir Evaporation	284.5	0	284.5
49	SW CBCU	294	29.25	303.25
50	GW CBCU	7132	5351	5781
51	Total CBCU	7430	5380	6080
52				
53	Nebraska			
54	SW CBCU - Irrigation - Non Federal Canals	0	0	0
55	SW CBCU - Irrigation - Small Pumps	0	0	0
56	SW CBCU - M&I	0	0	0
57	Non-Federal Reservoir Evaporation	0	0	0
58	SW CBCU	0	0	0
59	GW CBCU	1387	1347	1202
60	Total CBCU	1390	1350	1200
61				
62	Totals			
63	Total SW CBCU	4494	4001.85	4231.33
64	Total GW CBCU	23443	18813	19857
65	Total Basin CBCU	27940	22810	24090
66				
67	Virgin Water Supply			
68	South Fork Republican River Near Benkelman	0	905.3587	0
69	Colorado CBCU	19120	16090	16800
70	Kansas CBCU	7430	5380	6080
71	Nebraska CBCU	1390	1350	1200
72	Bonny Reservoir Change In Storage	-1500	-2226	-2900
73	Imported Water	0	0	0
74	Virgin Water Supply	26440	21500	21180
75	Adjustment For Flood Flows	0	0	0
76	Computed Water Supply	27940	23730	24080
77				
78	Allocations			
79	Colorado Percent Of Allocation	44.4%	0.444	0.444
80	Colorado Allocation	12410	10540	10690
81	Kansas Percent Of Allocation	40.2%	0.402	0.402
82	Kansas Allocation	11230	9540	9680
83	Nebraska Percent Of Allocation	1.4%	0.014	0.014
84	Nebraska Allocation	390	330	340
85	Total Basin Allocation	24030	20410	20710
86	Percent Of Supply Not Allocated	14.0%	0.14	0.14
87	Quantity Of Unallocated Supply	3910	3320	3370

	A	B	C	D
1	Privileged & Confidential Attorney-Client	Provisional Information		
2	Communication And/Or Work Product	Under Review		
3				
4	Frenchman Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	28	37	39
10	GW CBCU Kansas	0	0	0
11	GW CBCU Nebraska	82940	85647	89727
12				
13	Surface Water Constants			
14	Culbertson Canal % Return Flow	78%	0.56	0.658467
15	Culbertson Canal Extension % Return Flow	100%	1	1
16				
17	Surface Water Data			
18	Frenchman Creek At Culbertson	23235	13360	19926
19	Enders Reservoir Evaporation	1247.6	1485	966.6
20	Enders Reservoir Change In Storage	0	-218	300
21	Champion Canal Diversions	0	0	0
22	Riverside Canal Diversions	2096	1838	1443
23	Culbertson Canal Diversions	6562	8002	8674
24	Culbertson Canal Extension Diversions	0	0	0
25	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
26	SW Diversions - Irrigation - Small Pumps - Nebraska	1,479	3,09	21
27	SW Diversions - M&I - Nebraska	0	0	0
28	Non-Federal Reservoir Evaporation - Nebraska	391	0	244.1
29	Frenchman Flood Flow	0	0	0
30				
31	Consumptive Use Calculations			
32	Colorado			
33	GW CBCU	28	37	39
34	Total CBCU	30	40	40
35				
36	Kansas			
37	GW CBCU	0	0	0
38	Total CBCU	0	0	0
39				
40	Nebraska			
41	Champion Canal CBCU	0	0	0
42	Riverside Canal CBCU	1257.6	1102.8	865.8
43	Culbertson Canal CBCU	1437.7	3520.88	2962.454
44	Culbertson Canal Extension CBCU	0	0	0
45	SW CBCU - Irrigation - Non Federal Canals	0	0	0
46	SW CBCU - Irrigation - Small Pumps	1	2,3175	15.75
47	SW CBCU - M&I	0	0	0
48	Enders Reservoir Evaporation	1248	1485	966.6
49	Non-Federal Reservoir Evaporation	391	0	244.1
50	SW CBCU	4335	6110.998	5054.704
51	GW CBCU	82940	85647	89727
52	Total CBCU	87280	91760	94780
53				
54	Totals			
55	Total SW CBCU	4335	6110.998	5054.704
56	Total GW CBCU	82968	85684	89766
57	Total Basin CBCU	87300	91790	94820
58				
59	Virgin Water Supply			
60	Frenchman Creek At Culbertson	23235	13360	19926
61	17% Culbertson Canal Return Flow to Main Stem	871	761.7904	970.9628
62	100% Culbertson Canal Extension Return Flow to Main Stem	0	0	0
63	Colorado CBCU	30	40	40
64	Kansas CBCU	0	0	0
65	Nebraska CBCU	87280	91760	94780
66	Enders Reservoir Change In Storage	0	-218	300
67	Imported Water	0	0	0
68	Virgin Water Supply	111420	105700	116020
69	Adjustment For Flood Flows	0	0	0
70	Computed Water Supply	111420	105920	115720
71				
72	Allocations			
73	Colorado Percent Of Allocation	0.0%	0	0
74	Colorado Allocation	0	0	0
75	Kansas Percent Of Allocation	0.0%	0	0
76	Kansas Allocation	0	0	0
77	Nebraska Percent Of Allocation	53.6%	0.536	0.536
78	Nebraska Allocation	59720	56770	62030
79	Total Basin Allocation	59720	56770	62030
80	Percent Of Supply Not Allocated	46.4%	0.464	0.464
81	Quantity Of Unallocated Supply	51700	49150	53690

	A	B	C	D
1	Privileged & Confidential Attorney-Client			
2	Communication And/ Or Work Product			
3				
4	Driftwood Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	0	0	0
10	GW CBCU Kansas	0	0	0
11	GW CBCU Nebraska	1487	1391	1479
12				
13	Surface Water Constants			
14	Meeker-Driftwood Canal % Return Flow	100%	1	1
15				
16	Surface Water Data			
17	Driftwood Creek Near McCook	1911	1100	1201
18	SW Diversions - Irrigation - Non-Federal Canals - Kansas	0	0	0
19	SW Diversions - Irrigation - Small Pumps - Kansas	0	0	0
20	SW Diversions - M&I - Kansas	0	0	0
21	Meeker-Driftwood Canal Diversions	0	0	0
22	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
23	SW Diversions - Irrigation - Small Pumps - Nebraska	0	0	15.5
24	SW Diversions - M&I - Nebraska	0	0	0
25	Non-Federal Reservoir Evaporation - Kansas	6.6	0	6.6
26	Non-Federal Reservoir Evaporation - Nebraska	1.8	0	8.2
27	Driftwood Flood Flow	0	0	0
28				
29	Consumptive Use Calculations			
30	Colorado			
31	GW CBCU	0	0	0
32	Total CBCU	0	0	0
33				
34	Kansas			
35	SW CBCU - Irrigation - Non Federal Canals	0	0	0
36	SW CBCU - Irrigation - Small Pumps	0	0	0
37	SW CBCU - M&I	0	0	0
38	Non-Federal Reservoir Evaporation	6.6	0	6.6
39	GW CBCU	7	0	6.6
40	Total CBCU	0	0	0
41		10	0	10
42				
43	Nebraska			
44	SW CBCU - Irrigation - Non Federal Canals	0	0	0
45	SW CBCU - Irrigation - Small Pumps	0	0	11.625
46	SW CBCU - M&I	0	0	0
47	Non-Federal Reservoir Evaporation	1.8	0	8.2
48	GW CBCU	2	0	19.825
49	Total CBCU	1487	1391	1479
50		1490	1390	1500
51				
52	Totals			
53	Total SW CBCU	8	0	26.425
54	Total GW CBCU	1487	1391	1479
55	Total Basin CBCU	1500	1390	1510
56				
57	Virgin Water Supply			
58	Driftwood Creek Near McCook	1911	1100	1201
59	24% Meeker Driftwood Canal Return	0	0	0
60	Colorado CBCU	0	0	0
61	Kansas CBCU	10	0	10
62	Nebraska CBCU	1490	1390	1500
63	Imported Water	0	0	0
64	Virgin Water Supply	3410	2490	2710
65	Adjustment For Flood Flows	0	0	0
66	Computed Water Supply	3410	2490	2710
67				
68	Allocations			
69	Colorado Percent Of Allocation	0.0%	0	0
70	Colorado Allocation	0	0	0
71	Kansas Percent Of Allocation	6.9%	0.069	0.069
72	Kansas Allocation	240	170	190
73	Nebraska Percent Of Allocation	16.4%	0.164	0.164
74	Nebraska Allocation	560	410	440
75	Total Basin Allocation	800	580	630
76	Percent Of Supply Not Allocated	76.7%	0.767	0.767
77	Quantity Of Unallocated Supply	2610	1910	2080

	A	B	C	D
1	Privileged & Confidential Attorney-Client	Provisional Information		
2	Communication And/ Or Work Product	Under Review		
3				
4	Red Willow Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	35	20	25
9	GW CBCU Colorado	0	0	0
10	GW CBCU Kansas	0	0	0
11	GW CBCU Nebraska	8430	7815	8221
12				
13	Surface Water Constants			
14	Red Willow Canal % Return Flow	100%	1	1
15				
16	Surface Water Data			
17	Red Willow Creek Near Red Willow	3791	3970	3555
18	Hugh Butler Lake Evaporation	2230.3	2377	2025.5
19	Hugh Butler Lake Change In Storage	1800	2947	2800
20	Red Willow Canal Diversions	0	0	0
21	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
22	SW Diversions - Irrigation - Small Pumps - Nebraska	123.25	341	167
23	SW Diversions - M&I - Nebraska	0	0	0
24	Non-Federal Reservoir Evaporation - Nebraska	202.7	0	155.4
25	Red Willow Flood Flow	0	0	0
26				
27	Consumptive Use Calculations			
28	Colorado			
29	GW CBCU	0	0	0
30	Total CBCU	0	0	0
31				
32	Kansas			
33	GW CBCU	0	0	0
34	Total CBCU	0	0	0
35				
36	Nebraska			
37	Red Willow Canal CBCU (10%)	0	0	0
38	SW CBCU - Irrigation - Non Federal Canals	0	0	0
39	SW CBCU - Irrigation - Small Pumps	92	255.75	125.25
40	SW CBCU - M&I	0	0	0
41	Hugh Butler Lake Evaporation (10%)	223	237.7	202.55
42	Non-Federal Reservoir Evaporation	202.7	0	155.4
43	SW CBCU	518	493.45	483.2
44	GW CBCU	8430	7815	8221
45	Total CBCU	8950	8310	8700
46				
47	Totals			
48	Total SW CBCU	518	493.45	483.2
49	Total GW CBCU	8430	7815	8221
50	Total Basin CBCU	8950	8310	8700
51				
52	Virgin Water Supply			
53	Red Willow Creek Near Red Willow	3791	3970	3555
54	Red Willow Canal CBCU (90%)	0	0	0
55	Colorado CBCU	0	0	0
56	Kansas CBCU	0	0	0
57	Nebraska CBCU	8950	8310	8700
58	Hugh Butler Lake Change In Storage	1800	2947	2800
59	Hugh Butler Lake Evaporation (90%)	2007.27	2139.3	1822.95
60	90% Red Willow Canal Return Flow To Main Stem	0	0	0
61	Imported Water	35	20	25
62	Virgin Water Supply	16510	17350	16850
63	Adjustment For Flood Flows	0	0	0
64	Computed Water Supply	14710	14400	14050
65				
66	Allocations			
67	Colorado Percent Of Allocation	0.0%	0	0
68	Colorado Allocation	0	0	0
69	Kansas Percent Of Allocation	0.0%	0	0
70	Kansas Allocation	0	0	0
71	Nebraska Percent Of Allocation	19.2%	0.192	0.192
72	Nebraska Allocation	2820	2760	2700
73	Total Basin Allocation	2820	2760	2700
74	Percent Of Supply Not Allocated	80.8%	0.808	0.808
75	Quantity Of Unallocated Supply	11890	11640	11350

	A	B	C	D
1	Privileged & Confidential Attorney-Client			
2	Communication And/Or Work Product			
3				
4	Medicine Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	9655	9423	9522
9	GW CBCU Colorado	0	0	0
10	GW CBCU Kansas	0	0	0
11	GW CBCU Nebraska	20864	21139	21296
12				
13	Surface Water Data			
14	Medicine Creek Below Harry Strunk	19992	19850	23300
15	Harry Strunk Lake Evaporation	2771.7	3755	2058.9
16	Harry Strunk Lake Change In Storage	5600	3385	-300
17	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
18	SW Diversions - Irrigation - Small Pumps - Nebraska	258.8	291	255
19	SW Diversions - M&I - Nebraska	0	0	0
20	SW Diversions - Irrigation - Non-Federal Canals - Nebraska -Below Gage	0	0	0
21	SW Diversions - Irrigation - Small Pumps -Nebraska - Below Gage	77.6	106	57.5
22	SW Diversions - M&I - Nebraska - Below Gage	0	0	0
23	Non-Federal Reservoir Evaporation - Nebraska	309.9	0	233.2
24	Non-Federal Reservoir Evaporation - Nebraska - Below Gage	7.2	0	3.6
25	Medicine Creek Flood Flow	0	0	0
26				
27	Consumptive Use Calculations			
28	Colorado			
29	GW CBCU	0	0	0
30	Total CBCU	0	0	0
31				
32	Kansas			
33	GW CBCU	0	0	0
34	Total CBCU	0	0	0
35				
36	Nebraska			
37	SW CBCU - Irrigation - Non Federal Canals	0	0	0
38	SW CBCU - Irrigation - Small Pumps	194	218.25	191.25
39	SW CBCU - M&I	0	0	0
40	SW CBCU - Irrigation - Non Federal Canals - Below Gage	0	0	0
41	SW CBCU - Irrigation - Small Pumps - Below Gage	58	79.5	43.125
42	SW CBCU - M&I - Below Gage	0	0	0
43	Non-Federal Reservoir Evaporation	309.9	0	233.2
44	Non-Federal Reservoir Evaporation - Below gage	7.2	0	3.6
45	SW CBCU	569	297.75	471.175
46	GW CBCU	20864	21139	21296
47	Total CBCU	21430	21440	21770
48				
49	Totals			
50	Total SW CBCU	569	297.75	471.175
51	Total GW CBCU	20864	21139	21296
52	Total Basin CBCU	21430	21440	21770
53				
54	CBCU Below Gage			
55	SW CBCU Below The Gage	65	79.5	46.725
56	Total	65	79.5	46.725
57				
58	Virgin Water Supply			
59	Medicine Creek Below Harry Strunk	19992	19850	23300
60	Colorado CBCU	0	0	0
61	Kansas CBCU	0	0	0
62	Nebraska CBCU	21430	21440	21770
63	SW CBCU Below The Gage	65	79.5	46.725
64	Harry Strunk Lake Change In Storage	5600	3385	-300
65	Harry Strunk Lake Evaporation	2771.7	3755	2058.9
66	Imported Water	9655	9423	9522
67	Virgin Water Supply	40070	38930	37260
68	Adjustment For Flood Flows	0	0	0
69	Computed Water Supply	34470	35550	37560
70				
71	Allocations			
72	Colorado Percent Of Allocation	0.0%	0	0
73	Colorado Allocation	0	0	0
74	Kansas Percent Of Allocation	0.0%	0	0
75	Kansas Allocation	0	0	0
76	Nebraska Percent Of Allocation	9.1%	0.091	0.091
77	Nebraska Allocation	3140	3240	3420
78	Total Basin Allocation	3140	3240	3420
79	Percent Of Supply Not Allocated	90.9%	0.909	0.909
80	Quantity Of Unallocated Supply	31330	32310	34140

	A	B	C	D
1	Privileged & Confidential Attorney-Client	Provisional Information		
2	Communication And/Or Work Product	Under Review		
3				
4	Beaver Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	0	0	0
10	GW CBCU Kansas	1635	274	205
11	GW CBCU Nebraska	2780	777	1278
12				
13	Surface Water Data			
14	Beaver Creek Near Beaver City	173	220	163
15	SW Diversions - Irrigation - Non-Federal Canals- Colorado	0	0	0
16	SW Diversions - Irrigation - Small Pumps - Colorado	0	0	0
17	SW Diversions - M&I - Colorado	0	0	0
18	SW Diversions - Irrigation - Non-Federal Canals- Kansas	0	0	0
19	SW Diversions - Irrigation - Small Pumps - Kansas	12	26	22
20	SW Diversions - M&I - Kansas	0	0	0
21	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
22	SW Diversions - Irrigation - Small Pumps - Nebraska	0	0	0
23	SW Diversions - M&I - Nebraska	0	0	0
24	SW Diversions - Irrigation - Non-Federal Canals - Nebraska -Below Gage	0	0	0
25	SW Diversions - Irrigation - Small Pumps -Nebraska - Below Gage	0	0	0
26	SW Diversions - M&I -Nebraska - Below Gage	0	0	0
27	Non-Federal Reservoir Evaporation - Colorado	0	0	0
28	Non-Federal Reservoir Evaporation - Kansas	134.7	0	134.7
29	Non-Federal Reservoir Evaporation - Nebraska	58.5	0	23.4
30	Non-Federal Reservoir Evaporation - Nebraska - Below Gage	0	0	0
31	Beaver Flood Flow	0	0	0
32				
33	Consumptive Use Calculations			
34	Colorado			
35	SW CBCU - Irrigation - Non Federal Canals	0	0	0
36	SW CBCU - Irrigation - Small Pumps	0	0	0
37	SW CBCU - M&I	0	0	0
38	Non-Federal Reservoir Evaporation	0	0	0
39	SW CBCU	0	0	0
40	GW CBCU	0	0	0
41	Total CBCU	0	0	0
42				
43	Kansas			
44	SW CBCU - Irrigation - Non Federal Canals	0	0	0
45	SW CBCU - Irrigation - Small Pumps	9	19.5	16.5
46	SW CBCU - M&I	0	0	0
47	Non-Federal Reservoir Evaporation	134.7	0	134.7
48	SW CBCU	144	19.5	151.2
49	GW CBCU	1635	274	205
50	Total CBCU	1780	290	360
51				
52	Nebraska			
53	SW CBCU - Irrigation - Non Federal Canals	0	0	0
54	SW CBCU - Irrigation - Small Pumps	0	0	0
55	SW CBCU - M&I	0	0	0
56	SW CBCU - Irrigation - Non Federal Canals - Below Gage	0	0	0
57	SW CBCU - Irrigation - Small Pumps - Below Gage	0	0	0
58	SW CBCU - M&I - Below Gage	0	0	0
59	Non-Federal Reservoir Evaporation	58.5	0	23.4
60	Non-Federal Reservoir Evaporation - Below gage	0	0	0
61	SW CBCU	59	0	23.4
62	GW CBCU	2780	777	1278
63	Total CBCU	2840	780	1300
64				
65	CBCU Below Gage			
66	SW CBCU Below The Gage	0	0	0
67	Total	0	0	0
68				
69	Totals			
70	Total SW CBCU	202	19.5	174.6
71	Total GW CBCU	4415	1051	1483
72	Total Basin CBCU	4620	1070	1660
73				
74	Virgin Water Supply			
75	Beaver Creek Near Beaver City	173	220	163
76	Colorado CBCU	0	0	0
77	Kansas CBCU	1780	290	360
78	Nebraska CBCU	2840	780	1300
79	SW CBCU Below The Gage	0	0	0
80	Imported Water	0	0	0
81	Virgin Water Supply	4790	1290	1820
82	Adjustment For Flood Flows	0	0	0
83	Computed Water Supply	4790	1290	1820
84				
85	Allocations			
86	Colorado Percent Of Allocation	20.0%	0.2	0.2
87	Colorado Allocation	960	260	360
88	Kansas Percent Of Allocation	38.8%	0.388	0.388
89	Kansas Allocation	1860	500	710
90	Nebraska Percent Of Allocation	40.6%	0.406	0.406
91	Nebraska Allocation	1940	520	740
92	Total Basin Allocation	4760	1280	1810
93	Percent Of Supply Not Allocated	0.6%	0.006	0.006
94	Quantity Of Unallocated Supply	30	10	10

	A	B	C	D
1	Privileged & Confidential Attorney-Client	Provisional Information		
2	Communication And/Or Work Product	Under Review		
3				
4	Sappa Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	0	0	0
10	GW CBCU Kansas	-1552	-274	-205
11	GW CBCU Nebraska	692	500	556
12				
13	Surface Water Data			
14	Sappa Creek Near Stamford	262	179.1155	84
15	Beaver Creek Near Beaver City	173	220	163
16	SW Diversions - Irrigation - Non-Federal Canals - Kansas	0	0	0
17	SW Diversions - Irrigation - Small Pumps - Kansas	3	14	28
18	SW Diversions - M&I - Kansas	0	0	0
19	SW Diversions - Irrigation - Non-Federal Canals - Nebraska	0	0	0
20	SW Diversions - Irrigation - Small Pumps - Nebraska	53.6	0	19.6
21	SW Diversions - M&I - Nebraska	0	0	0
22	SW Diversions - Irrigation - Non-Federal Canals - Nebraska -Below Gage	0	0	0
23	SW Diversions - Irrigation - Small Pumps -Nebraska - Below Gage	0	19.8	0
24	SW Diversions - M&I - Nebraska - Below Gage	0	0	0
25	Non-Federal Reservoir Evaporation - Kansas	278.3	0	278.3
26	Non-Federal Reservoir Evaporation - Nebraska	42.8	0	22.3
27	Non-Federal Reservoir Evaporation - Nebraska - Below Gage	5.2	0	7.3
28	Sappa Flood Flow	0	0	0
29				
30	Consumptive Use Calculations			
31	Colorado			
32	GW CBCU	0	0	0
33	Total CBCU	0	0	0
34				
35	Kansas			
36	SW CBCU - Irrigation - Non Federal Canals	0	0	0
37	SW CBCU - Irrigation - Small Pumps	2.25	10.5	21
38	SW CBCU - M&I	0	0	0
39	Non-Federal Reservoir Evaporation	278.3	0	278.3
40	SW CBCU	281	10.5	299.3
41	GW CBCU	-1552	-274	-205
42	Total CBCU	-1270	-260	90
43				
44	Nebraska			
45				
46	SW CBCU - Irrigation - Non Federal Canals	0	0	0
47	SW CBCU - Irrigation - Small Pumps	40	0	14.7
48	SW CBCU - M&I	0	0	0
49	SW CBCU - Irrigation - Non Federal Canals - Below Gage	0	0	0
50	SW CBCU - Irrigation - Small Pumps - Below Gage	0	14.85	0
51	SW CBCU - M&I - Below Gage	0	0	0
52	Non-Federal Reservoir Evaporation	42.8	0	22.3
53	Non-Federal Reservoir Evaporation - Below gage	5.2	0	7.3
54	SW CBCU	83	14.85	37
55	GW CBCU	692	500	556
56	Total CBCU	780	510	590
57				
58	CBCU Below Gage			
59	SW CBCU Below The Gage	5	14.85	7.3
60	Total	5	14.85	7.3
61				
62	Totals			
63	Total SW CBCU	364	25.35	336.3
64	Total GW CBCU	-860	226	351
65	Total Basin CBCU	-496	251.35	687.3
66				
67	Virgin Water Supply			
68	Sappa Creek Near Stamford	262	179.1155	84
69	Beaver Creek Near Beaver City	173	220	163
70	Colorado CBCU	0	0	0
71	Kansas CBCU	-1270	-260	90
72	Nebraska CBCU	780	510	590
73	SW CBCU Below The Gage	5	14.85	7.3
74	Imported Water	0	0	0
75	Virgin Water Supply	-410	190	590
76	Adjustment For Flood Flows	0	0	0
77	Computed Water Supply	-410	190	590
78				
79	Allocations			
80	Colorado Percent Of Allocation	0.0%	0	0
81	Colorado Allocation	0	0	0
82	Kansas Percent Of Allocation	41.1%	0.411	0.411
83	Kansas Allocation	-170	80	240
84	Nebraska Percent Of Allocation	41.1%	0.411	0.411
85	Nebraska Allocation	-170	80	240
86	Total Basin Allocation	-340	160	480
87	Percent Of Supply Not Allocated	17.8%	0.178	0.178
88	Quantity Of Unallocated Supply	-70	30	110

	A	B	C	D
1	Privileged & Confidential Attorney-Client	Provisional Information		
2	Communication And/Or Work Product	Under Review		
3				
4	Prairie Dog Creek Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska	0	0	0
9	GW CBCU Colorado	0	0	0
10	GW CBCU Kansas	5697	1679	1824
11	GW CBCU Nebraska	0	0	0
12				
13	Surface Water Constants			
14	Almena Canal % Return Flow	100%	0.52	1
15				
16	Surface Water Data			
17	Prairie Dog Creek Near Woodruff	3436	1087.45	147
18	Keith Sebelius Lake Evaporation	1727	2823	2088.8
19	Keith Sebelius Lake Change In Storage	100	-4338	-1000
20	Almena Canal Diversions	0	3379	0
21	SW Diversions - Irrigation - Non-Federal Canals- Kansas	0	0	0
22	SW Diversions - Irrigation - Small Pumps - Kansas	159	273	87
23	SW Diversions - M&I - Kansas	382	548	496
24	SW Diversions - Irrigation - Non-Federal Canals - Nebraska -Below Gage	0	0	0
25	SW Diversions - Irrigation - Small Pumps -Nebraska - Below Gage	21	59.2	44.3
26	SW Diversions - M&I - Nebraska - Below Gage	0	0	0
27	Non-Federal Reservoir Evaporation - Kansas	371.1	0	371.1
28	Non-Federal Reservoir Evaporation - Nebraska	21.2	0	17.4
29	Prairie Dog Flood Flow	0	0	0
30				
31	Consumptive Use Calculations			
32	Colorado			
33	GW CBCU	0	0	0
34	Total CBCU	0	0	0
35				
36	Kansas			
37	Almena Canal CBCU	0	1621.92	0
38	SW CBCU - Irrigation - Non Federal Canals	0	0	0
39	SW CBCU - Irrigation - Small Pumps	119.25	204.75	65.25
40	SW CBCU - M&I	191	274	248
41	Keith Sebelius Lake Evaporation	1727	2823	2088.8
42	Non-Federal Reservoir Evaporation	371.1	0	371.1
43	SW CBCU	2408	4923.67	2773.15
44	GW CBCU	5697	1679	1824
45	Total CBCU	8110	6600	4600
46				
47	Nebraska			
48	SW Diversions - Irrigation - Non-Federal Canals - Nebraska -Below Gage	0	0	0
49	SW Diversions - Irrigation - Small Pumps -Nebraska - Below Gage	15.75	44.4	33.225
50	SW Diversions - M&I - Nebraska - Below Gage	0	0	0
51	Non-Federal Reservoir Evaporation	21.2	0	17.4
52	SW CBCU	37	44.4	50.625
53	GW CBCU	0	0	0
54	Total CBCU	40	40	50
55				
56	CBCU Below Gage			
57	SW CBCU Below The Gage	37	44.4	50.625
58	Total	37	44.4	50.625
59				
60	Totals			
61	Total SW CBCU	2445	4968.07	2823.775
62	Total GW CBCU	5697	1679	1824
63	Total Basin CBCU	8142	6647.07	4647.775
64				
65	Virgin Water Supply			
66	Prairie Dog Creek Near Woodruff	3436	1087.45	147
67	Colorado CBCU	0	0	0
68	Kansas CBCU	8110	6600	4600
69	Nebraska CBCU	40	40	50
70	SW CBCU Below The Gage	37	44.4	50.625
71	Keith Sebelius Lake Change In Storage	100	-4338	-1000
72	Imported Water	0	0	0
73	Virgin Water Supply	11650	3350	3750
74	Adjustment For Flood Flows	0	0	0
75	Computed Water Supply	11550	7690	4750
76				
77	Allocations			
78	Colorado Percent Of Allocation	0.0%	0	0
79	Colorado Allocation	0	0	0
80	Kansas Percent Of Allocation	45.7%	0.457	0.457
81	Kansas Allocation	5280	3510	2170
82	Nebraska Percent Of Allocation	7.6%	0.076	0.076
83	Nebraska Allocation	880	580	360
84	Total Basin Allocation	6160	4090	2530
85	Percent Of Supply Not Allocated	46.7%	0.467	0.467
86	Quantity Of Unallocated Supply	5390	3600	2220

	A	B	C	D
1	Privileged & Confidential Attorney-Client			
2	Communication And/ Or Work Product			
3				
4	Mainstem Sub-Basin	2005	2003	2004
5				
6	Input Data			
7	Groundwater / Model Data			
8	Imported Water Nebraska Above Guide Rock	2401	337	834
9	GW CBCU Colorado	-2144	132	-1269
10	GW CBCU Kansas	269	110	399
11	GW CBCU Nebraska Above Guide Rock	82201	74323	78183
12	GW CBCU Nebraska Below Guide Rock	2835	2559	2382
13	GW CBCU Nebraska	85036	76882	80565
14				
15	Surface Water Constants			
16	Meeker-Driftwood Canal % Return Flow	100%	1	1
17	Culbertson Canal % Return Flow	78%	0.56	0.658467
18	Culbertson Canal Extension % Return Flow	100%	1	1
19	Red Willow Canal % Return Flow	100%	1	1
20	Bartley Canal % Return Flow	100%	1	1
21	Cambridge Canal % Return Flow	54%	0.51	0.524585
22	Naponee Canal % Return Flow	100%	0.53	1
23	Franklin Canal % Return Flow	100%	0.64	1
24	Franklin Pump Canal % Return Flow	100%	0.57	1
25	Superior Canal % Return Flow	64%	0.57	0.677867
26	Nebraska Courtland % Return Flow	100%	0.325913	1
27	Courtland Canal Above Lovewell % Return Flow	63%	0.51802	0.792178
28	Courtland Canal Below Lovewell % Return Flow	53%	0.456652	0.496149
29				
30	Surface Water Data			
31	Surface Water Gages			
32	Republican River Near Hardy	16980	52394	41964
33	North Fork Republican River At Colorado-Nebraska State Line	21060	17700	19759
34	Arikaree River At Haigler	1151	1060	341
35	Buffalo Creek Near Haigler	2227	2090	2276
36	Rock Creek At Parks	5466	4710	5419
37	South Fork Republican River Near Benkelman	0	905.3587	0
38	Frenchman Creek At Culbertson	23235	13360	19926
39	Driftwood Creek Near McCook	1911	1100	1201
40	Red Willow Creek Near Red Willow	3791	3970	3555
41	Medicine Creek Below Harry Strunk	19992	19850	23300
42	Sappa Creek Near Stamford	262	179.1155	84
43	Prairie Dog Creek Near Woodruff	3436	1087.45	147
44	White Rock Creek Above Lovewell	16691	20959	16691
45	Reservoir Data			
46	Swanson Lake Evaporation	5638	6086	2588.2
47	Swanson Lake Change In Storage	4600	4735	3900
48	Hugh Butler Lake Evaporation	2230	2377	2025.5
49	Harry Strunk Lake Evaporation	2772	3755	2058.9
50	Harlan County Evaporation	17706	23664	17017
51	Harlan County Change In Storage	21000	-47110	-6200
52	Lovewell Reservoir Ev charged to the Republican River	1110	670	1110
53	Canal Diversion Data			
54	Bartley Canal Diversion	0	0	0
55	Cambridge Canal Diversion	19732	18332	21964
56	Naponee Canal Diversion	0	2162	0
57	Franklin Canal Diversion	0	15262	0
58	Franklin Pump Canal Diversions	0	1687	0
59	Superior Canal Diversions	4712	8174	5800
60				
61	Courtland Canal Diversions At Headgate	48737	66500	31501
62	Diversions to Nebraska Courtland	0	1591	0
63	Courtland Canal, Loss in NE assigned to upper Courtland KS	415	2841	184
64	Courtland Canal, Loss in NE assigned to delivery to Lovewell	8236	10116	5877
65	Courtland Canal At Kansas-Nebraska State Line	40086	51952	25440
66	Courtland Canal Diversions to the Upper Courtland District	1864	17511	779
67	Courtland Canal, Loss assigned to deliveries of water to Lovewell, Stateline to Lovewell	9372	10687	10715
68	Courtland Canal Deliveries To Lovewell Reservoir	14130	26596	14130
69	Diversions of Republican River water from Lovewell Reservoir to the Courtland Canal below Lovewell	25590	21270	25590
70				
71	Kansas Bostwick Diversions During Irrigation Season (2001-2003 average, no diversion in 2004)	41081	27100	41081
72	Nebraska Bostwick Diversions During Irrigation Season (2001-2003 average, no diversion in 2004)	40187	28844	40187
73				
74	Meeker-Driftwood Canal Diversions	0	0	0
75	Red Willow Canal Diversions	0	0	0
76	Culbertson Canal Diversions	6562	8002	8674
77	Culbertson Canal Extension Diversions	0	0	0
78	Haigler Canal Diversions - Nebraska	4745	4965	3732
79	Kansas Surface Water Data			
80	SW Diversions - Irrigation - Non-Federal Canals - Kansas	0	0	0
81	SW Diversions - Irrigation - Small Pumps - Kansas	767	1064	668
82	SW Diversions - M&I - Kansas	0	0	0
83	Non-Federal Reservoir Evaporation - Kansas	148	0	147.9
84	Nebraska Surface Water Data			
85	SW Diversions - Irrigation - Non-Federal Canals - Nebraska - Mainstem	1661	3719	3066
86	SW Diversions - Irrigation - Small Pumps - Nebraska - Mainstem	1918	1401	1931
87	SW Diversions - M&I - Nebraska - Mainstem	0	0	0
88	Non-Federal Reservoir Evaporation - Nebraska - Below Gage	0	0	340
89	Mainstem Flood Flow	0	0	0
90				
91	Calculations			
92	Return Flow From Courtland Canal To Republican River Above Hardy From Kansas	601	779.28	381.6
93	Courtland Canal Transportation Loss in NE assigned to the Upper Courtland KS that does not recharge	75	511.38	33.12
94	Courtland Canal Transportation Loss in NE assigned to deliveries to Lovewell that does not recharge	1482	1820.88	1057.86
95	Courtland Canal Transportation Loss from the Stateline to Lovewell that does not return	1687	1923.66	1928.7
96	Net Evaporation From Lovewell Reservoir Charged To Republican River	509	374.7097	508.8836
97	Percent Kansas Bostwick Diversions During Irrigation Season	50.55%	0.484413	0.5055
98	Percent Nebraska Diversions During Irrigation Season	49.45%	0.515587	0.4945
99	Net Evaporation From Harlan County Reservoir Charged To Kansas	8951	11463.15	8602.099
100	Net Evaporation From Harlan County Reservoir Charged To Nebraska	8756	12200.85	8414.901
101				
102	Consumptive Use Calculations			
103	Colorado			

	A	B	C	D
4	Mainstem Sub-Basin	2005	2003	2004
5				
104	GW Depletion	-2144	132	-1269
105	Total CU	-2140	130	-1270
106				
107	Kansas			
108	Net Evaporation From Harlan County Reservoir Charged To Kansas	8951	11463.15	8602.099
109	Courtland Canal Transportation Loss in NE assigned to deliveries to Lovewell that does not recharge	1482	1820.88	1057.86
110	Courtland Canal Above Lovewell CBCU	690	8439.955	161.8932
111	Courtland Canal Transportation Loss from the Stateline to Lovewell that does not return	1687	1923.66	1928.7
112	Net Evaporation From Lovewell Charged To Kansas	1110	670	1110
113	Courtland Canal Below Lovewell CBCU	12113	11557.02	12893.54
114	SW CBCU - Irrigation - Non Federal Canals	0	0	0
115	SW CBCU - Irrigation - Small Pumps	575	798	501
116	SW CBCU - M&I	0	0	0
117	Non-Federal Reservoir Evaporation - Kansas	148	0	147.9
118	SW CBCU	26755	36672.67	26402.99
119	GW CBCU	269	110	399
120	Total CBCU	27020	36780	26800
121				
122	Nebraska			
123	NE Courtland Canal CBCU (includes transportation loss)	0	1072.473	0
124	Superior Canal CBCU	1687	3514.82	1868.371
125	Franklin Pump Canal CBCU	0	725.41	0
126	Franklin Canal CBCU	0	5494.32	0
127	Naponee Canal CBCU	0	1016.14	0
128	Cambridge Canal Diversion	9153	8982.68	10442.02
129	Bartley Canal Diversion	0	0	0
130	Meeker-Driftwood Canal CBCU	0	0	0
131	Red Willow Canal Diversions (90%)	0	0	0
132	SW CBCU - Irrigation - Non Federal Canals	996	2231.4	1839.6
133	SW CBCU - Irrigation - Small Pumps	1439	1050.75	1448.25
134	SW CBCU - M&I	0	0	0
135	Harry Strunk Lake Evaporation	2772	3755	2058.9
136	Swanson Lake Evaporation	5638	6086	2588.2
137	Hugh Butler Lake Evaporation (90%)	2007	2139.3	1822.95
138	Harlan County Evaporation Charged To Nebraska (2001-2003 average, no diversion in 2005)	8756	12200.85	8414.901
139	Non-Federal Reservoir Evaporation	0	0	340
140	SW CBCU	32448	48269.14	30823.19
141	GW CBCU	85036	76882	80565
142	Total CBCU	117480	125150	111390
143				
144	Totals			
145	Total SW CBCU	59203	84941.81	57226.18
146	Total GW CBCU	83161	77124	79695
147	Total Basin CBCU	142360	162070	136920
148				
149	Virgin Water Supply			
150	Republican River Near Hardy	16980	52394	41964
151	North Fork Republican River At Colorado-Nebraska State Line	21060	17700	19759
152	Arikaree River At Haigler	1151	1060	341
153	Buffalo Creek Near Haigler	2227	2090	2276
154	Rock Creek At Parks	5466	4710	5419
155	South Fork Republican River Near Benkelman	0	905.3587	0
156	Frenchman Creek At Culbertson	23235	13360	19926
157	Driftwood Creek Near McCook	1911	1100	1201
158	Red Willow Creek Near Red Willow	3791	3970	3555
159	Medicine Creek Below Harry Strunk	19992	19850	23300
160	Sappa Creek Near Stamford	262	179.1155	84
161	Prairie Dog Creek Near Woodruff	3436	1087.45	147
162				
163	Colorado CBCU	-2140	130	-1270
164	Kansas CBCU Above Stateline	11231	14593.41	10341.98
165	Nebraska CBCU	117480	125150	111390
166				
167	90% Red Willow Canal CBCU - Nebraska	0	0	0
168	90% Hugh Butler Lake Evap	2007	2139.3	1822.95
169	Harry Strunk Lake Evaporation	2772	3755	2058.9
170				
171	CBCU Below Medicine Creek Gage	65	79.5	46.725
172	CBCU Below Beaver Creek Gage	0	0	0
173	CBCU Below Sappa Creek Gage	5	14.85	7.3
174	CBCU Below Prairie Dog Gage	37	44.4	50.625
175				
176	Harlan County Change In Storage	21000	-47110	-6200
177	Swanson Lake Change In Storage	4600	4735	3900
178				
179	Haigler Canal Return Flow To Mainstem	1898	1986	1492.8
180	Culbertson Canal Return Flow To Mainstem	871	761.7904	970.9628
181	Culbertson Canal Extension Return Flow To Mainstem	0	0	0
182	Meeker - Driftwood Canal Return Flow To Driftwood Creek	0	0	0
183	Red Willow Canal Return Flow To Mainstem	0	0	0
184				
185	Courtland Canal At Kansas-Nebraska State Line	40086	51952	25440
186	Return Flow To Republican River Above Hardy From Kansas	601.29	779.28	381.6
187				
188	Imported Water	2401	337	834
189	Virgin Water Supply	116263	126212.9	102101.4
190	Adjustment For Flood Flows	0	0	0
191	Computed Water Supply	90660	168590	104400
192				
193	Allocations			
194	Colorado Percent Of Allocation	0	0	0
195	Colorado Allocation	0	0	0
196	Kansas Percent Of Allocation	51.1%	0.511	0.511
197	Kansas Allocation	46330	86150	53350
198	Nebraska Percent Of Allocation	48.9%	0.489	0.489
199	Nebraska Allocation	44330	82440	51050
200	Total Basin Allocation	90660	168590	104400
201	Percent Of Supply Not Allocated	0.0%	0	0
202	Quantity Of Unallocated Supply	0	0	0

2772
 5638
 2007
 8756
 19173
 1448
 20,601
 AF
 Enclosed
 HD
 (200)
 1248
 1448