

**Williams, Jim**

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**From:** jschneider@dnr.ne.gov  
**Sent:** Monday, July 30, 2007 2:43 PM  
**To:** 'David Barfield'; Megan.Sullivan@state.co.us; Willem.Schreuder@prinmath.com  
**Cc:** Williams, Jim; Koester, Paul; Bleed, Ann; Theis, Ron  
**Subject:** Emailing: Vc Impacts SW Basin Only.xls

**Attachments:** Vc Impacts SW Basin Only.xls



Vc Impacts SW  
Basin Only.xls (...)

I have compiled a summary spreadsheet of the groundwater impacts as they would look under our proposed changes to the accounting procedures. Please let me know if you have any questions, or we can just discuss them tomorrow.

Jim

This worksheet contains draft results of the proposed change to groundwater CBCU accounting

These are for discussion purposes only

The two changes in these runs are 1) the mound is off and 2) only those wells within the Compact or Ba

asin boundary are turned off

## Impacts 2001 (acre-feet)

Location	Colorado Pumping	Kansas Pumping	Nebraska Pumping	Nebraska Mound
Arikaree	1096	318	341	-341
Beaver	0	3381	2340	-2340
Buffalo	249	0	3084	-3084
Driftwood	0	0	1030	-1030
Frenchman	655	111	77530	-77530
North Fork	13013	39	1551	-1551
Above Swanson	-4043	-89	11378	-11378
Swanson- Harlan	-101	-735	29680	-29680
Harlan- Guide Rock	-58	30	23475	-23475
Guide Rock- Hardy	-47	252	1701	-1701
Medicine	0	15	26621	-26621
Prairie Dog	0	2613	0	0
Red Willow	0	0	6150	-6150
Rock	45	0	3216	-3216
Sappa	0	-1132	783	-783
South Fork	9725	7171	627	-627
Hugh Butler	0	0	1594	-1594
Bonny	1215	0	0	0
Keith Sebelius	0	306	0	0
Enders	0	0	3953	-3953
Harlan	0	40	790	-790
Harry Strunk	0	0	350	-350
Swanson	10	0	241	-241
<b>Mainstem</b>	<b>-4249</b>	<b>-543</b>	<b>66234</b>	<b>-66234</b>
<b>Total</b>	<b>21758</b>	<b>12329</b>	<b>196434</b>	<b>-196434</b>

# Impacts 2002 (acre-feet)

Location	Colorado Pumping	Kansas Pumping	Nebraska Pumping	Nebraska Mound
Arikaree	258	218	354	-354
Beaver	0	1599	1350	-1350
Buffalo	246	0	3211	-3211
Driftwood	0	0	1080	-1080
Frenchman	657	40	73188	-73188
North Fork	13052	14	1766	-1766
Above Swanson	-5972	374	9759	-9759
Swanson- Harlan	-54	-294	7804	-7804
Harlan- Guide Rock	0	0	25280	-25280
Guide Rock- Hardy	0	275	1349	-1349
Medicine	0	0	17919	-17919
Prairie Dog	0	2027	0	0
Red Willow	0	0	5168	-5168
Rock	52	0	3297	-3297
Sappa	0	-537	604	-604
South Fork	9490	4785	1148	-1148
Hugh Butler	0	0	1748	-1748
Bonny	1266	0	0	0
Keith Sebelius	0	407	0	0
Enders	0	0	4086	-4086
Harlan	0	39	857	-857
Harry Strunk	0	0	320	-320
Swanson	0	0	279	-279
<b>Mainstem</b>	<b>-6042</b>	<b>358</b>	<b>44193</b>	<b>-44193</b>
<b>Total</b>	<b>18984</b>	<b>8965</b>	<b>160567</b>	<b>-160567</b>

## Impacts 2003 (acre-feet)

Location	Colorado Pumping	Kansas Pumping	Nebraska Pumping	Nebraska Mound
Arikaree	122	220	508	-508
Beaver	0	212	353	-353
Buffalo	267	0	3323	-3323
Driftwood	0	0	1202	-1202
Frenchman	40	0	80322	-80322
North Fork	13552	33	1241	-1241
Above Swanson	151	-81	17594	-17594
Swanson- Harlan	0	0	6175	-6175
Harlan- Guide Rock	14	14	26742	-26742
Guide Rock- Hardy	20	371	2048	-2048
Medicine	0	0	19257	-19257
Prairie Dog	0	988	0	0
Red Willow	0	0	6018	-6018
Rock	58	0	3420	-3420
Sappa	0	-212	411	-411
South Fork	10853	5185	1318	-1318
Hugh Butler	0	0	1758	-1758
Bonny	1325	0	0	0
Keith Sebelius	0	506	0	0
Enders	0	0	4394	-4394
Harlan	0	37	843	-843
Harry Strunk	0	0	455	-455
Swanson	19	0	478	-478
<b>Mainstem</b>	<b>177</b>	<b>296</b>	<b>52559</b>	<b>-52559</b>
<b>Total</b>	<b>26416</b>	<b>7287</b>	<b>177857</b>	<b>-177857</b>

# Impacts 2004 (acre-feet)

Location	Colorado Pumping	Kansas Pumping	Nebraska Pumping	Nebraska Mound
Arikaree	159	309	428	-428
Beaver	0	157	619	-619
Buffalo	292	0	3317	-3317
Driftwood	0	0	1293	-1293
Frenchman	27	-91	84264	-84264
North Fork	13885	25	1288	-1288
Above Swanson	-1279	126	13279	-13279
Swanson- Harlan	0	91	13397	-13397
Harlan- Guide Rock	0	0	28176	-28176
Guide Rock- Hardy	0	188	2174	-2174
Medicine	0	0	19356	-19356
Prairie Dog	0	992	0	0
Red Willow	0	0	6353	-6353
Rock	57	0	3582	-3582
Sappa	0	-157	471	-471
South Fork	11598	5547	1171	-1171
Hugh Butler	0	0	1773	-1773
Bonny	1342	0	0	0
Keith Sebelius	0	444	0	0
Enders	0	0	4484	-4484
Harlan	0	36	737	-737
Harry Strunk	0	-21	398	-398
Swanson	18	0	481	-481
<b>Mainstem</b>	<b>-1260</b>	<b>408</b>	<b>57026</b>	<b>-57026</b>
<b>Total</b>	<b>26119</b>	<b>7647</b>	<b>187040</b>	<b>-187040</b>

# Impacts 2005 (acre-feet)

Location	Colorado Pumping	Kansas Pumping	Nebraska Pumping	Nebraska Mound
Arikaree	646	265	262	-262
Beaver	0	1470	1981	-1981
Buffalo	321	13	3353	-3353
Driftwood	-15	-15	1285	-1285
Frenchman	108	115	77281	-77281
North Fork	14020	186	1437	-1437
Above Swanson	-1838	137	10593	-10593
Swanson- Harlan	-57	-103	20291	-20291
Harlan- Guide Rock	-214	-180	27673	-27673
Guide Rock- Hardy	-61	164	2612	-2612
Medicine	-77	-74	18708	-18708
Prairie Dog	0	4937	0	0
Red Willow	-19	-18	6430	-6430
Rock	71	12	3757	-3757
Sappa	0	-1465	612	-612
South Fork	13792	6937	1355	-1355
Hugh Butler	-41	-39	1670	-1670
Bonny	1308	40	35	-35
Keith Sebelius	19	472	18	-18
Enders	10	0	4532	-4532
Harlan	86	107	899	-899
Harry Strunk	-29	-12	337	-337
Swanson	24	12	426	-426
<b>Mainstem</b>	<b>-2171</b>	<b>19</b>	<b>61169</b>	<b>-61169</b>
<b>Total</b>	<b>28055</b>	<b>12969</b>	<b>185547</b>	<b>-185547</b>



# Impacts 2006 (acre-feet)

Location	Colorado Pumping	Kansas Pumping	Nebraska Pumping	Nebraska Mound
Arikaree	1023	148	130	-130
Beaver	0	2987	2913	-2913
Buffalo	336	15	3333	-3333
Driftwood	-20	-20	1225	-1225
Frenchman	115	90	72936	-72936
North Fork	13858	62	1262	-1262
Above Swanson	-2871	219	8659	-8659
Swanson- Harlan	-56	-914	18587	-18587
Harlan- Guide Rock	-39	-32	25536	-25536
Guide Rock- Hardy	-35	94	2431	-2431
Medicine	-36	-34	17784	-17784
Prairie Dog	0	4711	0	0
Red Willow	0	0	5959	-5959
Rock	76	14	3859	-3859
Sappa	0	-2138	938	-938
South Fork	10686	4404	1192	-1192
Hugh Butler	0	0	1638	-1638
Bonny	1267	12	0	0
Keith Sebelius	0	546	0	0
Enders	0	0	4540	-4540
Harlan	0	40	800	-800
Harry Strunk	0	0	322	-322
Swanson	14	0	369	-369
<b>Mainstem</b>	<b>-3001</b>	<b>-633</b>	<b>55213</b>	<b>-55213</b>
<b>Total</b>	<b>24317</b>	<b>10192</b>	<b>174422</b>	<b>-174422</b>

Can we get 4th run accounting