Exhibit 80
3
Book 2-16-12
Patterson Reporting & Video

Angela Schenk

From: Perkins, Sam [Sam.Perkins@KDA.KS.GOV]
Sent: Tuesday, November 01, 2011 4:07 PM
To: Alex Spiliotopoulos
Cc: Dale Book; Angela Schenk; Steve Larson; Beightel, Chris
Subject: RE: NRD zones and modified Rapid response 10-2 corridor to exclude cells in Tri-Basin NRD.
Attachments: RR10_2AVUmod.flg; NRDREV.flg; ne_gwirr_rapresp10_2avumod.jpg

Alex and others,

I set up a modified version of the Nebraska 10-2 corridor flag called RR10_2AVUmod.flg. It differs from the 10-2 corridor by excluding the Tri-Basin part of the corridor. The attached jpeg shows the modified corridor in red; the Tri-basin cells that are part of the original 10-2 corridor are shown in purple.

I also set up a revised NRD flag file as Alex and I discussed (attached); the zones are shown in the jpeg. Values of zero in the NRD flag file correspond to inactive model cells (ibound=0). Zones 1 and 2 are cells in Colorado and Kansas according to the states.flg file. Zones 4-10 correspond to the same NRDs as in the original NRD.flg file. The 2005 and 2006 gw areas are summarized by the revised NRD zones (Tables 1 and 2) and by county (Table 3) below. Table 1 summarizes gw areas by NRD for the original RR10-2 corridor, and Table 2 summarizes gw areas by NRD for the modified RR10-2 corridor (excluding the Tri-Basin cells). Table 3 summarizes gw areas by county for the modified RR10-2 corridor.

The states.flg file has some debatable assignments, but they are what they are. Because of its assignments, the county summary (Table 3) shows two 10-2 corridor cells in Yuma County, CO that are part of the Upper Republican NRD; and two more in Jewell County, KS that are part of the Lower Republican NRD.

Next I'll use the revised 10-2 corridor flag to make the 2005-2006 runs.

Sam

Table 1. 2005 and 2006 gw areas in the original 10-2 corridor summarized by NRD zone (TriBasin is included)

idx	county	cells	10-2cells	gwAc_2005	gwAc_2006
1	CO	8778	2	38	0
2	KS	9443	4	0	30
3	LtBlue	644	0	0	0
4	SPlatt	10	0	0	0
5	TPlatt	1059	0	0	0
6	CPlatt	300	0	0	0
7	Up_Rep	2703	258	32347	27739
8	MidRep	3795	466	37388	37518
9	LowRep	2389	375	45645	38578
10	TriBsn	1534	39	4964	4937
	sum:	30655	1144	120380.97	108801.8

Up_Rep	260	32384	27739
MidRep	466	37388	37518
LowRep	379	45645	38608

TriBsn	39	4964	4937
sum:	1144	120380.97	108801.8

Table 2. 2005 and 2006 gw areas in the revised 10-2 corridor summarized by NRD zone (TriBasin is excluded)

idx	county	cells	10-2cells	gwAc_2005	gwAc_2006
1	CO	8778	2	38	0
2	KS	9443	4	0	30
3	LtBlue	644	0	0	0
4	SPlatt	10	0	0	0
5	TPlatt	1059	0	0	0
6	CPlatt	300	0	0	0
7	Up_Rep	2703	258	32347	27739
8	MidRep	3795	466	37388	37518
9	LowRep	2389	375	45645	38578
10	TriBsn	1534	0	0	0
	sum:	30655	1105	115416.61	103864.92

Up_Rep	260	32384	27739
MidRep	466	37388	37518
LowRep	379	45645	38608
TriBsn	0	0	0
sum:	1105	115416.61	103864.92
excluded TriBsn cells	39	4964.36	4936.88

Table 3. Summary of gw area within revised 10-2 corridor by county.

idx	county	cells	10-2cells	gwAc_2005	gwAc_2006
1	CheyenneCO	433	0	0	0
2	KitCarsonCO	2131	0	0	0
3	LincolnCO	661	0	0	0
4	LoganCO	430	0	0	0
5	PhillipsCO	694	0	0	0
6	SedgwickCO	409	0	0	0
7	WashingtonCO	1633	0	0	0
8	YumaCO	2375	2	38	0
9	CheyenneKS	1018	2	0	0
10	DecaturKS	894	0	0	0
11	GoveKS	446	0	0	0
12	GrahamKS	629	0	0	0
13	JewellKS	24	2	0	30

14	LoganKS	320	0	0	0
15	NortonKS	791	0	0	0
16	PhillipsKS	379	0	0	0
17	RawlinsKS	1073	0	0	0
18	SheridanKS	889	0	0	0
19	ShermanKS	1059	0	0	0
20	ThomasKS	1073	0	0	0
21	TregoKS	359	0	0	0
22	WallaceKS	260	0	0	0
23	AdamsNE	147	0	0	0
24	BuffaloNE	22	0	0	0
25	ChaseNE	900	134	23914	19478
26	ClayNE	35	0	0	0
27	DawsonNE	240	0	0	0
28	DeuelNE	10	0	0	0
29	DundyNE	916	124	8433	8261
30	FranklinNE	543	91	12232	11276
31	FrontierNE	981	153	8459	9330
32	FurnasNE	729	87	13993	9843
33	GosperNE	457	0	0	0
34	HarlanNE	576	113	11165	9815
35	HayesNE	714	81	5131	3952
36	HitchcockNE	718	83	10226	10099
37	KearneyNE	520	0	0	0
38	KeithNE	314	0	0	0
39	LincolnNE	1446	71	2993	2085
40	NuckollsNE	493	22	2108	2140
41	PerkinsNE	887	0	0	0
42	PhelpsNE	557	0	0	0
43	RedWillowNE	719	78	10579	12053
44	WebsterNE	510	62	6147	5505
		30414	1105	115416.61	103864.92

	Tri-basin:	1014	0	0	0
	fraction of total			0	0

From: Alex Spiliotopoulos [mailto:alexs@sspa.com]
Sent: Tuesday, November 01, 2011 11:58 AM
To: Perkins, Sam
Subject: RE:

Thanks!

Alex Spiliotopoulos
S.S. Papadopulos & Associates, Inc.
7944 Wisconsin Avenue
Bethesda, MD 20814
Office: (301) 718-8900 ext. 259
Cell: (301) 787-3506
Email: alex@sspa.com

From: Perkins, Sam [mailto:Sam.Perkins@KDA.KS.GOV]
Sent: Tuesday, November 01, 2011 12:43 PM
To: Alex Spiliotopoulos
Subject:

Alex,
The North Fork and Guide Rock gages change.
North Fork: from SI153012AcctNFRepublican to SI1300286823000
Guide Rock: from SI253006RRGuideRock to SI251003RRGuideRock

The North Fork gage change shows up in the North Fork and Above Swanson accounts.
The Guide Rock gage change shows up in the Harlan to Guide Rock and Guide Rock to Hardy accounts.

That may be all the changes.