

## AGENDA – February 10, 2004

The Middle Republican NRD Board of Directors will hold their regular meeting at the NRD Office in Curtis, Nebraska on Tuesday, February 10, 2004 at 1:30 P. M.

### Regular Meeting:

1. Meeting called to order.
  - a. Verify quorum
  - b. Excused absences - Harsh and Madsen
  
2. Circulate agenda and roster
  - a. Items added since mailing
  
3. OFFIAL NOTICE OF THIS MEETING WAS PUBLISHED IN THE NORTH PLATTE TELEGRAPH AND THE MCCOOK DAILY GAZETTE AND WAS POSTED IN THE NRD OFFICE AND ON THE DISTRICT WEBSITE AT WWW.MRNRD.ORG. AS A COURTESY IT WAS ALSO PROVIDED TO LOCAL RADIO STATIONS
  
4. Approve minutes for January regular Board meeting and hearing.
  
5. Financial Actions
  - a. Approve Financial Report for January 2004
  
6. Legal Matters – Jon Schroeder
  - a. Motions, filings, appeals
  - b. GW Coalition
  
7. Open Forum – Comments from guests
  
8. Reports – Agencies, Associations, Others
  - a. NRCS – 1) District Conservationist Report  
2) EQIP work group 3) TSP claim 4) Consider Agreements
  - b. NARD – 1) Report-Anderjaska 2) Legislative Recommendations
  - c. NACD – 1) Newsletters
  - d. NNRC – Roberts & Madsen
  - e. Information & Education – Cheryl  
1) SW Nebraska Water Conf. March 3<sup>rd</sup>
  - f. NE Republican River Management Districts Association
  
  - g. Other Agencies or Associations  
1) RC&D 2) Rural Development
  - h. Legislation – Reports

9. Ground Water Management
  - a. Ground Water Management Area
    - 1) Well permits
    - 2) Notices of Noncompliance
    - 3) Wells since 1998
    - 4) Rule Development
    - 5) Consider Certified Acres
  - b. Settlement Implementation
    - 1) Joint Action Plan
  - c. Ground Water Quality Management Area
  - c. Other Ground Water Activity
    - 1) Ogallala Aquifer Symposium – Wray CO.
10. Programs
  - a. WILD –
  - b. Buffer Strips
  - c. Livestock Waste Control Applications
  - d. Conservation Management Funds
    - NSWCP items
    - LCP items
    - Meters
    - Approve Applications
  - e. Watersheds
  - f. Complaints
  - g. Chemigation
  - h. Tree Planting
11. General Operations
  - a. Personnel
  - b. Sales and Rental Equipment
  - c. Lap Top and Projector Delivered
  - d. Lap Tops for Directors
  - e. Personnel & Operations Comm.
  - f. GIS class – Christy
  - g. May meeting
  - h. Director Filings - 2004 elections

Adjourn

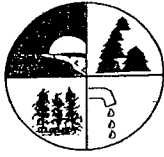
Next regular meeting date – March 9, 2004, 7:30 P. M., at the Fairgrounds in McCook, Nebraska.

**MIDDLE REPUBLICAN NRD**

**ATTENDANCE ROSTER**

2-10 2004

NAME	ADDRESS	DESIRE TO SPEAK	AGENDA ITEM NUMBER
Cheryl Griffith	Curtis		
Kevin Farnoff	Hayes Center		
Stan Moore	Bartley		
Joseph R. Ady	Hayes Center		
Dave Suggs	Curtis		
Brad Edgerton	Cambridge		
James Hoyt	Culb		
Susan Dodson	Maywood		
Don Roberts	McCook		
Brad Johnson	Grant		
Dan Smith	Maywood		
Layle Haag	Bartley		
Bob Merrigan	Curtis		
Raymond Kunes	Bartley		
Wally West	Trenton		
John Schrick	Curtis		



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## Middle Republican Natural Resources District

### MEETING NOTICE

The Middle Republican Natural Resources District Board of Directors will hold their regular monthly meeting at the NRD office, 220 Center Ave, Curtis, Nebraska on February 10, 2004 at 1:30 P.M., The agenda, kept current, is available during regular business hours at the NRD office in Curtis. Individuals requiring physical or sensory accommodations should call the NRD at 308-367-4281 or 800-873-5613 five days prior to the meeting.

Publish no later than January 30, 2004

**MINUTES**  
**Middle Republican Natural Resources District**  
**Board of Directors Meeting**  
**January 13, 2004**  
**McCook, Nebraska**

**Board Members Present:** Joseph Anderjaska, Duane Dodson, Kevin Fornoff, Gayle Haag, Dennis Hoyt, Wayne Madsen, Stan Moore, Don Roberts, and Mike Peters

**Board Members Absent:** Del Harsh and Kelly Wertz

**NRD Staff:** Dan Smith, Bob Merrigan, Cheryl Griffith, and Christy Peterson

**NRCS Staff:** Dave Griffith

**Others:** Harry Sughroue, Stan Goodwin, Claude Cappel, Page Johnston, George Seward, ~~Gayle Haag~~, Ann Bleed, Brad Edgerton

**Information Mailed to Directors:**

January Agenda	December Financial Report
Public Hearing Agenda	December Monthly Comparison Budget
December Minutes	E-notes for January 6, 2004
December Public Hearing Minutes	Information and Education Report
Ed Kester Variance Request	Republican River Settlement Costs Report
Doug Sellers Variance Request	Sughroue Request for Certified Acres
Republican River Riparian Project Article	Jan. 2, 2004 Friday Message by Steve Chick
Well Permit Report	Extract-Dec. 19 Friday Message by Steve Chick
Well Data and maps for area under consideration by the City of McCook for a well field	

**Information Distributed at Meeting:**

Cost Share Summary	Flow Meter Report
Ann Bleed, DNR Settlement Report	Tree Cost Share Report
Water Policy Task Force Recommendations	Plant Display Diagram –Trenton NRCS Office
Ground Water Rules & Regulations Proposed Revisions	
Water Use Numbers Article	County Irrigated Acres per Tax Records
Well Report presented by Claude Cappel	

**REGULAR MEETING**

The regular monthly board meeting was called to order by Chairman Haag at 1:35 p.m. The agenda and roster were circulated to those present.

**Items added to the agenda:** none

Notice of the regular monthly meeting was published in the **North Platte Telegraph** and the **McCook Daily Gazette** and was posted at the **MRNRD Office** and on the **District Website** at [www.mrnrd.org](http://www.mrnrd.org). As a courtesy it was also provided to local radio stations.

The minutes for the regular board meeting and public hearing held on December 9, 2003 were presented. Smith noted that the date on the public hearing minutes needed to be changed to December 9, 2003. It was incorrectly listed as October 14, 2003.

◆ A motion was made by Fornoff and second by Roberts to approve the minutes for the December board meeting as corrected.

Ayes-8                  Nays-0                  Abstain-Madsen                  Motion carried

The meeting was recessed at 1:40p.m. for the purpose of opening the public hearing.

The meeting was reconvened at 1:47p.m.

### CONSIDER VARIANCE REQUESTS

Discussion was held on whether a replacement well could pump more gallons per minute than the well it was replacing.

- ◆ A motion was made by Hoyt and second by Madsen to deny Douglas and Debra Sellers request for a variance to drill a new well.

Ayes-9            Nays-0            motion carried

- ◆ A motion was made by Fornoff and second by Roberts to approve the request by Kester Land Co. for a variance from the spacing requirements for drilling a replacement well.

Ayes-8            Nays-Anderjaska            motion carried

### LEGAL MATTERS

Smith reviewed the status on the lawsuits. Scott Merrill, Doug McDermott, and Bruce McDermott filed an appeal with the Red Willow County Court. They are requesting a reversal of the Districts denial of the variance requests to drill new wells. The denials are being challenged under the Administrative Act. Les Wood and Steve Seeman have filed similar appeals.

Jon Schroeder, the District attorney, is still waiting for the information that the Court ordered McDermott's attorney, Potter, to provide. Potter has requested another 30-day extension.

### FINANCIAL ACTIONS

The financial report for December was presented. The County Treasurer's Balance was \$8,848.49.

- ◆ A motion was made by Anderjaska and second by Dodson to approve the December financial report as presented.

Ayes-9            Nays-0            Motion carried

A copy of this report is on file with the minutes.

The monthly budget comparison was presented and reviewed.

A summary of expenses related to the Republican Basin Settlement Implementation was mailed to directors.

### CERTIFIED ACRES

A letter from Harry Sughroue requesting the Directors approval to certify acres for a well that had not been used since 1983 or 1984 was mailed to directors. Harry Sughroue and Stan Goodwin attended the board meeting to discuss this request with the directors. The land, located on 12-5-28 in Frontier County, is being sold to settle Charles Sughroue's estate. The family would like to be able to show the land having certified acres. The ground has not been irrigated in 20 years but the family still pays irrigated taxes on 70 acres.

Discussion was held concerning the applicable rules currently in place in the District.

- ◆ A motion was made by Fornoff and second by Anderjaska to approve the certification of the acres according to the County Assessor's records in accordance with Rule 8.8 of the Rules and Regulations for the Ground Water Management Area.

Ayes-8            Nays-0            Abstain-Moore            Motion carried

George Seward would like to retire 285 acres of flood irrigated ground made up of small fields and pivot corners and then install two pivots for a total of 240 acres. Seward feels that this would be a more efficient use of the water. This ground has had 62 acres irrigated on it in previous years. The two pivots would use existing wells. Seward circulated farm photos of the area as well as tax and FSA records.

- ◆ A motion was made by Madsen and second by Anderjaska to approve the certification of 60 acres with adjustments to be made in the future.

Ayes-9            Nays-0            Motion carried

### **SETTLEMENT IMPLEMENTATION**

Ann Bleed, DNR, gave a presentation concerning the lawsuit settlement accounting. Bleed had given a similar presentation on January 12, 2004 in Cambridge at the NRRMDA meeting. The original Compact was not changed with the settlement. Only the accounting was changed. One of the big changes made was the calculation of the virgin water supply. Bleed reviewed these changes.

Bleed reviewed handouts showing pumpage and depletion by NRDs. One of the items that needs to be decided is how the volume of water will be divided among the Districts. Roger Patterson, DNR, has suggested that it be divided by either the total pumpage or by the depletion to streams. DNR would like to have the NRDs make this decision, but if they can not agree, DNR will have to decide. Smith clarified that these are not the only options available.

Discussion was held on options to encourage farmers to set aside acres for various time frames. Claude Cappel reported on a buyout scheme that he had thought of where a base allocation would be given. Irrigators could then pay a certain price to receive additional inches. These funds could go into a fund to pay irrigators for retiring acres.

Smith circulated an article from the Kearney Hub concerning the Lower Republican NRD board meeting. Smith reported that the managers for the basin would be meeting on January 14, 2004. Discussion was held on the lawsuit settlement process.

### **OPEN FORUM**

Claude Cappel circulated two hand-outs. The first report had a portion of a magazine article from "The Furrow." Cappel wanted to note the comment that stated that "While temperatures are important, Nielsen found that rainfall during this period was also a critical factor. For every inch of rain, the wheat yield increased 5.7 bushels per acre." The remainder of this report showed irrigated acres and dry land acres per County according to County Assessor's tax records. Cappel also circulated a report that shows inflows and outflows since 1947 for various canals as well as the number of wells completed in these same years.

### **NRCS REPORT**

Dave Griffith gave a summary of NRCS activities. Griffith reviewed portions of Steve Chick's "Friday Message" that was mailed to Directors. NRCS is trying to work with the NRDs to find programs that will help reduce consumptive use in the Republican Basin. The Hitchcock County NRCS office is interested in finding an organization to install and maintain a Plant Display at the Trenton office. A diagram of the proposed display was handed out. If an organization chooses to take the project, the organization may ask the Directors for financial assistance.

A Soil Survey Assistance report will be presented in February.

Smith gave an update on Betty Fritsch's condition. She has been out for a number of weeks due to surgery. Smith reported that Joyce Stupka, the former Field Office Secretary and temporary replacement for Betty, is in the hospital also.

## **NARD**

Anderjaska reviewed an e-mail he received from Dean Edson concerning upcoming Legislation. The hearing for LB 962 concerning the Water Task Force Recommendations is scheduled for January 21, 2004 in Lincoln. Smith plans to attend but does not plan on testifying. Smith reviewed some of the ideas that have been discussed for funding the bill. Discussion was held on the Legislative Conference scheduled January 27 and 28. Christy needs to know how many spouses will be attending the banquet Tuesday night. Chairman Haag appointed Anderjaska as voting delegate and Kevin Fornoff as alternate. The Washington D.C. trip is scheduled for March 20-24. Anyone interested in going must turn their name in to the NARD office no later than January 19, 2004.

## **NACD**

E-notes for the week of January 6, 2004 were mailed to Directors. The annual convention is February 1-4, 2004 in Hawaii.

## **INFORMATION AND EDUCATION**

Cheryl Griffith discussed the information and education report mailed to the Directors. The annual report will be prepared in February. The Water Conference has been scheduled for March 3 in McCook. Griffith met this morning with representatives from NRCS and Extension to plan the Conference. Discussion was held on the plans for the conference. Discussion was held on providing a questionnaire to participants concerning current water issues.

## **NE REPUBLICAN RIVER MANAGEMENT DISTRICT ASSOCIATION**

The Association met January 12, 2004 in Cambridge. New officers were elected. Dan Smith and Don Felker were elected as co-chairman. Mike Clements is the new secretary and Bob Hipple was elected treasurer. Ann Bleed, DNR gave a presentation concerning the lawsuit settlement. The next meeting will be April 5, 2004 in Holdrege. Roberts left at 4:53 p.m.

## **OTHER AGENCIES OR ASSOC.**

Smith circulated maps of the area in Frontier County showing where the City of McCook wants to place a well field. Smith reviewed reports mailed to Directors concerning wells and water levels in this area. No one from the City of McCook was present to comment on the project.

RC&D is looking at starting a Rural Water Program. This would install a pipeline from Arapahoe to Indianola. A meeting concerning this is scheduled for February 5 at 7p.m. in Cambridge. RC&D has scheduled a meeting January 15, 2004 in Wray, Colorado to move the Republican River Riparian Project forward. Dave Griffith, NRCS, plans to attend.

## **GROUND WATER MANAGEMENT AREA**

Smith discussed the well permit report handed out to the Board. No permits for replacement wells have been approved since the last meeting. Smith reported that crop reports have been coming back in. The form asked for a lot more information than in previous years which created a lot of questions. Letters went out to well owners with wells in the NW quarter reminding them that these wells need to be metered prior to December 31, 2004. There are 8 northeast and southeast quarter wells that owners did not respond to the non-compliance notices previously sent. A hearing to determine whether cease and desist orders should be issued will be scheduled for February 10<sup>th</sup> in Curtis.



## **RULE DEVELOPMENT - GW COMMITTEE**

Proposed revisions to the Ground Water Rules and Regulations were handed out to the Directors. Smith reviewed the proposed changes. The proposed changes will be placed on next month's agenda.

## **SOIL AND WATER CONSERVATION MANAGEMENT FUNDS**

Smith reviewed the cost-share summary report and the cost-share summary report on flow meters. The reports included applications for cost share on trees that has been received.

- ◆ A motion was made by Fornoff and second by Hoyt to accept these reports as presented and approve the applications.

Ayes-8      Nays-0      Absent-Roberts      Motion carried  
A copy of these reports is on file with the minutes.

## **STATE VEHICLE PURCHASE**

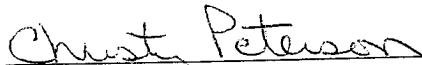
Merrigan had looked into the state vehicle purchase program available to government subdivisions. Quotes for 3 pickups were obtained. The quotes were for a 2004 extended cab or crew cab pickup. Discussion was held on the quotes and on the need for an additional vehicle.

- ◆ A motion was made by Madsen and second by Peters to approve the purchase of the 2004 Dodge pickup for a price of \$20,483.

Ayes-Dodson, Fornoff, Madsen, Peters, Haag      Nays-Anderjaska, Hoyt, Moore  
Absent-Roberts      Motion carried

The meeting was adjourned at 5:45 p.m.

The next meeting will be Tuesday, February 10, 2004 at the NRD office in Curtis, Nebraska starting at 1:30 p.m.



Christy Peterson  
Secretary to the Board

**MINUTES**  
**Middle Republican Natural Resources District**  
**Public Hearing**  
**January 13, 2004**  
**McCook, Nebraska**

**Board Members Present:** Joseph Anderjaska, Duane Dodson, Kevin Fornoff, Gayle Haag, Dennis Hoyt, Wayne Madsen, Stan Moore, Don Roberts, and Mike Peters

**Board Members Absent:** Del Harsh and Kelly Wertz

**NRD Staff:** Dan Smith, Bob Merrigan, Cheryl Griffith, and Christy Peterson

**NRCS Staff:** Dave Griffith

**Others:** Harry Sughroue, Stan Goodwin, Claude Cappel, Page Johnston, George Seward, Ann Bleed, Brad Edgerton

**PUBLIC HEARING**

Chairman Haag called the public hearing to order at 1:42 p.m. The agenda and roster were circulated to those present.

OFFICIAL NOTICE OF THIS PUBLIC HEARING WAS PUBLISHED NOT LESS THAN TEN DAYS PRIOR TO THE HEARING IN THE NORTH PLATTE TELEGRAPH AND THE MCCOOK GAZETTE. INDIVIDUALS INVOLVED IN THE HEARING WERE NOTIFIED BY MAIL.

**STATEMENT OF PURPOSE**

The purpose of this hearing is to hear requests for a variance from the rules and regulations for the Temporary Suspension of the Drilling of New Wells and other applicable rules and regulations of the District.

**TESTIMONY**

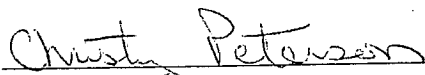
A copies of the application to drill a well and variance request for Douglas & Debra Sellers were mailed to Directors. Smith reviewed the request. The well would be located in the northeast quarter of section 19 of 10-31 in Lincoln County. The well would be used to irrigate feed for cattle.

No one representing Douglas & Debra Sellers attended the hearing to testify.

A copy of the request for variance from spacing rules for drilling a replacement well for Kester Land Co. was mailed to directors. The well has been replaced once. Where the well needs to be drilled to find good levels of water is closer than 1320 feet to other wells that belong to Kesters. A farm photo showing the pivots that Kester's want to install was attached to the request. A copy of the variance request and map is on file with these minutes.

No one for Kester Land Co. was available to testify.

Chairman Haag closed the hearing at 1:45 p.m.

  
\_\_\_\_\_  
Christy Peterson  
Board Secretary

Permit to Construct  
Summary  
February 5, 2004

		# of Apps	Completed	Open	EXP/CNX Suspended	Replacement
FY 97-98	(SPA only)	44	34	0	10	0
FY 99		53	46	0	7	6
FY 2000		42	32	0	10	7
FY 2001		71	56	0	15	14
FY 2002		111	100	0	11	18
FY 2003		43	26	10	7	29

Open Applications FY2001

Name	CO	Legal	Status
Don Hagan & Sons	HI	NW 26-4-34	EXP
George Seward	HA	SE 15-8-31	EXP
Scheel Investment	HA	NW 28-7-35	Completed
Paul Nichols	HI	NE 27-3-32	EXP
Paul Nichols	HI	NW 27-3-32	EXP

Open Applications FY2002

Jack Wagner	HI	SW 8-3-31	EXP	Replacement
Jinx Cattle Co.	FR	SW 36-8-30	Suspended	
Jinx Cattle Co.	FR	SE 12-8-30	Suspended	
Don Olson	RW	SW 22-3-30	EXP	Replacement
Albert Holm	LI	NE 14-10-34	Suspended	
Tom Evans	HI	SE 20-3-31	Suspended	
Stan Moore	FR	NW 27-5-27	Suspended	
Tim Lundvall	LI	NW 9-9-34	Suspended	
Scheel Investments	HA	NE 25-8-35	Suspended	
Robert Wilcox Sr.	RW	NW 6-2-29	EXP	Replacement

Bruce McDermott	LI	SW 8-10-31	Suspended
Doug McDermott	LI	NE 17-10-31	Suspended
Doug McDermott	LI	NW 19-10-31	Suspended
Doug McDermott	LI	NW 24-10-32	Suspended
Doug McDermott	LI	NE 19-10-31	Complete

FY 2003

Spring Water Farms	HI	SW 30-3-32	Complete	
Spring Water Farms	HI	SW 30-3-32	Complete	
Spring Water Farms	HI	SW 30-3-32	Complete	
Spring Water Farms	HI	SW 30-3-32	EXP	
Les Schmidt	RW	SE 13-4-28	Complete	Replacement
Ron Montross	HI	SE 20-2-35	Complete	Replacement
City of McCook	RW	NE 4-4-30	Complete	(Dave Unger)
City of McCook	RW	SW 1-4-30	EXP	(Solomon)
City of McCook	RW	NW 31-3-27	EXP	(Ervin Schaffert)

City of McCook	RW	SE 16-4-29	Complete	(Gayle Ruggles)
Ron Montross	HI	SW 20-2-35	Complete	Replacement
Ron Montross	HI	SW 20-2-35	EXP	Replacement
Terry Ellinger	HI	SE 22-4-31	Complete	Replacement
Willow Farms Inc	HA	SW 2-6-31	Complete	Replacement
Larry Burke	FR	NW 20-6-34	Complete	Replacement
Darrel Deterding	RW	SE 10-3-26	Complete	Replacement
Richard Drake	RW	SW 16-3-30	Complete	Replacement
Dorsey Resler	HA	NW 33-8-35	EXP	Replacement
Pat Stritt	RW	NW 12-3-27	Complete	Replacement
Orville Kaschke	LI	NW 36-11-30	Complete	Replacement
Hohensee Land Co.	HI	SE 19-3-35	EXP	Replacement
Kester Land Co.	FR	NW 31-6-25	Complete	Replacement
Witte Inc.	RW	NE 11-3-26	Complete	Replacement
Jeannie Eisenach	HI	NE 22-4-33		Replacement
Claude Cappel	RW	SW 20-3-30	Complete	Replacement
Claude Cappel	RW	SW 20-3-30	Complete	Replacement
Claude Cappel	RW	SW 20-3-30	Complete	Replacement
Richard Wilcox	RW	SE 36-3-30		Replacement
Gene Kleinschmidt	HI	NW 18-2-34	Complete	Replacement
Wendell Peterson	FR	SW 26-8-28	Complete	Replacement
J. T. Kiplinger	RW	SE 7-2-29	Complete	Replacement
Darrell Wulf	RW	NE 13-4-26	Complete	Replacement (LP)
Village of Bartley	RW	NE 12-4-27	CNX	Test Well
Tom Remus	LI	SE 4-10-30	done	Replacement
Village of Maywood	FR	NW 21-8-29		Replacement
Nina Wagner	HI	SW 8-3-31		Replacement
Southwest Biofuels	RW	SE 20-3-30		
Southwest Biofuels	RW	SE 20-3-30		
Southwest Biofuels	RW	SE 20-3-30		Replacement
Village of Bartley	RW	SE 6-4-26		Test Well-Expedited
Mary Jane McKillip Trust	RW	NW 7-3-26	done	Replacement
K & R Farms	HA	SW 7-5-35		Replacement
Tom Baker	HI	NW 7-3-32		Replacement (Ind)

Allocation of Pumpage Volumes by Natural Resources District Ground Water Irrigated Acres Only

Scenario	Upper Republican NRD			Middle Republican NRD		
	Total Pumpage Acre Feet	Certified Acres	Inches Per Acre	Total Pumpage Acre Feet	Certified Acres	Inches Per Acre
Average 1991-2000	434,989	448,500	11.64	210,781		
10% Pumpage Reduction	391,490	448,500	10.47	189,702		

Scenario	Lower Republican NRD			Tri-Basin NRD		
	Total Pumpage Acre Feet	Certified Acres	Inches Per Acre	Total Pumpage Acre Feet	Certified Acres	Inches Per Acre
Average 1991-2000	178,160			136,633		
10% Pumpage Reduction	160,344			122,970		

**Pumpage on Ground Water Irrigated Acres Only Acre Feet**

YEAR	UPPER REPUBLICAN	MIDDLE REPUBLICAN	LOWER REPUBLICAN	TRI BASIN 40%	Total
1990	504,479	269,608	206,988	154,845	1,135,920
1991	462,725	272,189	265,796	203,421	1,204,131
1992	334,672	153,048	139,767	107,191	734,678
1993	256,517	53,685	39,673	36,575	386,450
1994	494,491	241,160	167,212	120,931	1,023,795
1995	438,950	244,970	235,022	182,881	1,101,823
1996	328,157	155,139	119,036	105,997	708,329
1997	488,008	258,485	228,107	170,880	1,146,480
1998	502,817	264,412	186,360	129,511	1,083,101
1999	379,790	122,328	146,927	110,276	759,321
2000	662,758	342,389	253,700	198,671	1,457,518
2001	465,924	279,212	226,686	150,915	1,122,737
2002	643,849	398,720	342,520	208,436	1,593,525
Averages					
1991-2000	434,989	210,781	178,160	136,633	960,563
1990-2000 no1993	459,785	232,373	194,892	148,460	1,035,510

Percentage Total Pumping in Compact Basin				
UPPER REPUBLICAN	MIDDLE REPUBLICAN	LOWER REPUBLICAN	TRI BASIN	Total
44%	24%	18%	14%	100%
38%	23%	22%	17%	100%
46%	21%	19%	15%	100%
66%	14%	10%	9%	100%
48%	24%	16%	12%	100%
40%	22%	21%	17%	100%
46%	22%	17%	15%	100%
43%	23%	20%	15%	100%
46%	24%	17%	12%	100%
50%	16%	19%	15%	100%
45%	23%	17%	14%	100%
41%	25%	20%	13%	100%
40%	25%	21%	13%	100%
45%	22%	19%	14%	100%
44%	22%	19%	14%	100%



Pumpage and Depletion by NRD

YEAR	Total Pumpage Volume Acre Feet				TRI BASIN 40%	Total
	UPPER REPUBLICAN	MIDDLE REPUBLICAN	LOWER REPUBLICAN			
1990	505,015	298,455	214,375	163,112	1,180,957	
1991	463,137	300,297	275,895	214,288	1,253,618	
1992	334,973	169,657	145,458	113,279	763,367	
1993	256,709	60,881	41,515	38,824	397,929	
1994	494,951	271,512	174,458	127,287	1,068,208	
1995	439,376	280,015	246,010	192,929	1,158,330	
1996	328,475	174,909	124,411	111,604	739,398	
1997	489,546	288,260	237,626	179,861	1,195,293	
1998	503,415	297,421	194,440	136,416	1,131,692	
1999	380,234	135,750	153,409	116,040	785,432	
2000	663,490	380,069	263,751	208,619	1,515,929	
2001	466,841	307,861	238,542	162,790	1,176,034	
2002	644,833	426,294	361,303	224,630	1,657,059	
Averages						
1991-2000	435,431	235,877	185,697	143,915	1,000,919	
1990-2000 not1993	460,261	259,634	202,983	156,343	1,079,222	

Percentage Total Pumping in Compact Basin				
UPPER REPUBLICAN	MIDDLE REPUBLICAN	LOWER REPUBLICAN	TRI BASIN	Total
43%	25%	18%	14%	100%
37%	24%	22%	17%	100%
44%	23%	19%	15%	100%
65%	15%	10%	10%	100%
46%	25%	16%	12%	100%
38%	24%	21%	17%	100%
44%	24%	17%	15%	100%
41%	24%	20%	15%	100%
44%	26%	17%	12%	100%
48%	17%	20%	15%	100%
44%	25%	17%	14%	100%
40%	26%	20%	14%	100%
39%	26%	22%	14%	100%
44%	24%	19%	14%	100%
43%	24%	19%	14%	100%



Allocation of Pumpage Volumes by Natural Resources District

Scenario	Upper Republican NRD			Middle Republican NRD		
	Total Pumpage Acre Feet	Certified Acres	Inches Per Acre	Total Pumpage Acre Feet	Certified Acres	Inches Per Acre
Average 1991-2000	435,431	448,500	11.65	235,877	357,111	5.08
10% Pumpage Reduction	391,888	448,500	10.49	212,289		7.29

Scenario	Lower Republican NRD			Tri-Basin NRD		
	Total Pumpage Acre Feet	Certified Acres	Inches Per Acre	Total Pumpage Acre Feet	Certified Acres	Inches Per Acre
Average 1991-2000	185,697			143,915		
10% Pumpage Reduction	167,128			129,523		