

GMD 4

NORTHWEST KANSAS GMD 4

3 2 N D A N N U A L M E E T I N G P A C K E T



FEBRUARY 21, 2007

1:00 P.M. CST

HOXIE ELKS LODGE

HOXIE, KANSAS 67740



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District Personnel

February, 2006 - February, 2007 Board:

POSITION	MEMBER	DUTY	FIRST ARRIVED:	SERVES TO:
Cheyenne #1	Roger Zweygartd	Member	2/05	2/08
Rawlins/Decatur #2	Monty Biggs	Member	2/97	2/09
Sherman/Wallace #3	Jeff Deeds	Member	2/06	2/09
Sherman/Wallace #4	David Rietcheck	Treasurer	2/02	2/08
Thomas # 5	Lon Frahm	Member	2/94	2/09
Thomas # 6	Jon Friesen	Member	6/99	2/08
Sheridan # 7	Bill Nondorf	Member	5/94	2/09
Sheridan # 8	Mitch Baalman	Vice President	2/98	2/07
Graham # 9	Doug David	Member	2/98	2/07
Logan # 10	Scott Maurath	President	2/01	2/07
Gove # 11	Dave Mann	Secretary	2/98	2/07

STAFF:

Wayne Bossert, Manager
Ray Luhman, Asst Manager
Dan Simmering, Field Technician
Rita Wade, Secretary/Receptionist

OTHERS:

Vignery & Mason, Attorney
Brian Staats, Certified Public Accountant



The district's website is always available - for more information go to:

[HTTP://www.gmd4.org](http://www.gmd4.org)

Information at this site includes: general district overview, personnel listing, annual meeting info, water law summary, public records policy, newsletter articles, water quotes, water formulas, water level data, water-related links, the groundwater management district act and more.

32nd Annual Meeting Agenda

Open Meeting _____ Scott Maurath, President

- Welcome
- Introductions
- Announcements

31st Annual Meeting Minutes (Page 5) _____ Scott Maurath
(Motion required to adopt or amend)

2008 Operating Budget - Proposed (Page 7) _____ Jeff Deeds
(Motion required to adopt for public hearing)

2006 Calendar Year Audit (Page 8) _____ Mitch Baalman
(Motion required to adopt or amend)

2006 Year in Review (Page 9) _____ Scott Maurath

Election of Board Positions (Ballots) _____ Monty Biggs

- Position 8 ----- Sheridan County
- Position 9 ----- Graham County
- Position 10 ----- Logan County
- Position 11 ----- Gove County

Presentation of DWR Overpump Program (Page 14) _____ Scott Ross, DWR

Presentation of Economic Modeling Info Request (Page 15) _____ Wayne Bossert

Unfinished or New Business _____ Scott Maurath

Announcement of Board Election Results (if necessary) _____ Monty Biggs

Adjournment _____ Scott Maurath
(Motion required)



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31st Annual Meeting Minutes – Colby, KS – February 15, 2006

The 31st annual meeting was opened at 1:30 p.m. CST, February 15, 2006 in the City Limits Convention Center, Colby, Kansas. Board members present were: Scott Maurath, Dave Rietcheck, Doug David, Robin Deeds, Roger Zweygardt, Monty Biggs, Mitch Baalman, Bill Nondorf, Dave Mann and Jon Friesen. Board member Lon Frahm was absent due to illness. There were 36 persons in attendance. The attendance roster is available from the district office.

President Robin Deeds opened the meeting with a welcome and introductions of the board, staff, former board members in attendance and state agency staff present. Former board members in attendance were: Ken Palmgren, Ken Poland, Carl Gaede, D. A. Crist and Howard Baalman. Robin next commented on the 2005 Year in Review summary which was contained in the annual meeting packet. He highlighted 9 efforts he thought were the most significant, and then asked for any comments or questions. There were none.

The 30th annual meeting minutes were presented by Doug David. Doug gave everyone a chance to review the minutes, also printed in the meeting packet, and offered to answer any questions. There being no questions, it was moved by Jon Friesen and seconded by Howard Baalman that the 30th annual meeting minutes be approved as presented. The motion passed unanimously by voice vote.

Scott Maurath next presented the 2005 calendar year audit. Scott indicated that: \$118,741.79 was carried forward from 2004; \$411,071.66 was brought in by county assessments; \$7,067.37 was interest income; and \$196.25 was miscellaneous income - totaling \$537,077.02 for calendar year 2005. 2005 expenditures were \$312,686.80, leaving a bank account balance on December 31, 2005 of \$224,390.22. Scott reported that \$155,743.00 of this total carryover figure were earmarked for the Northwest Kansas Groundwater Conservation Foundation. He finally reported that carryover funds plus \$12.89 in the post office return postage account and \$261.63 remaining on the district's postage meter gave the district a total cash worth on December 31, 2005 of \$224,664.74. With no questions or comments, Vern Hazlett moved that the 2005 audit report be approved as presented. The motion was seconded by Steve Friesen and passed unanimously by voice vote.

Mitch Baalman next conducted the board elections for Position 2 (Rawlins/Decatur County), Position 3 (Sherman/Wallace County), Position 5 (Thomas County), and Position 7 (Sheridan County). Mitch covered the ground rules first and then opened the floor for nominations for position 2, Rawlins/Decatur County, announcing that Monty Biggs was the only pre-filed candidate. With no additional nominations offered, Robin Deeds moved that nominations close and a unanimous ballot be cast for Monty Biggs. Bill Nondorf seconded the motion which passed unanimously by voice vote.

The floor was opened for nominations for position 3, Sherman/Wallace County following the announcement that Jeff Deeds was the only pre-filed candidate. With no additional nominations offered, Monty Biggs moved that nominations cease and a unanimous ballot be cast for Jeff Deeds. The motion was seconded by Steve Friesen and passed unanimously by voice vote.

The floor was opened for nominations for position 5, Thomas County following the announcement that Lon Frahm was the only pre-filed candidate. With no additional nominations offered, Bill Nondorf moved that nominations cease and a unanimous ballot be cast for Lon Frahm. The motion was seconded by Lou Hines and passed unanimously by voice vote.

The floor was opened for nominations for position 7, Sheridan County following the announcement that Bill Nondorf was the only pre-filed candidate. With no additional nominations offered, Carl

Gaede moved that nominations cease and a unanimous ballot be cast for Bill Nondorf. The motion was seconded by Howard Baalman and passed unanimously by voice vote.

Next Robin Deeds turned the floor over to manager Wayne Bossert to cover the new, Revised Management Plan scheduled for public hearing on March 9, 2006. Wayne directed everyone's attention to page 15 of the annual meeting packet where a written summary of each chapter was provided. Each problem, program and goal was covered to acquaint the members with what the management program included. Staff reported that a complete copy of the revised plan was sent to area libraries, was posted on the district web site, was in the possession of each board member, and was in the district office. There were no questions asked regarding the proposed plan.

Roger Zwegardt presented the 2007 proposed budget for consideration. He reported that the proposed 2007 budget was close to being the same as the 2006 Revised budget. He reported that of the \$313,961.20 in the administrative Coop Programs line item, \$236,461.20 was already in the GMD 4 cash accounts - earmarked for the Conservation Foundation - therefore only \$416,020.00 (of the total \$652,481.20 proposed budget) would need to be assessed for. With no questions, Lou Hines moved that the proposed 2007 budget be approved for later public hearing. Mitch Baalman seconded the motion which passed unanimously by voice vote.

In the open session, Gary Davis noted that there was no reference in the revised management plan of groundwater management by allocation. He further noted that the last newsletter contained an article on the idea as being under discussion by the board. He asked Wayne Bossert to discuss what was happening with allocations? Wayne responded that the board was beginning to hear more people express interest in allocations as a way to reduce water use rather than through an intensive groundwater use control area (IGUCA). The idea of allocations was not in the proposed management plan, so nothing would happen along these lines unless and until it is placed into a future revised management program. The board wanted to begin discussions on the idea to see how many district members were interested enough to warrant further discussion. Wayne reported that 2 comments had been received on the newsletter article - one in support and one in opposition.

Gary expressed concern that Kansas water users have been biting the bullet and reducing water use when Nebraska water users, up until just recently, have still been developing. He asked if the allocation idea would fairly handle the cases where conservation has already been implemented - such that those who have already reduced their water use through conservation are not reduced further (or at least not as much as those who haven't).

Gerald Meitl asked if anyone was going to help buy and install meters. Wayne reported, sadly, not.

Ken Poland commented that every board has regulated themselves trying to do what is in the best interest of the area. He expressed appreciation for all the boards and the actions they have taken since district formation almost 30 years ago.

Steve Friesen also expressed appreciation for the board's support and actions regarding their area water users who have been exploring ways to extend the life of the aquifer.

Jeff Mason next presented an award for outgoing board member and board President Robin Deeds for 6 years of dedicated service and his direction as President. A jacket with embroidered GMD 4 logo was presented.

President Deeds, not needing to announce any board election results, made a final call for any additional issues for the open session. There being none, Steve Friesen moved for adjournment. Scott Maurath seconded the motion which passed unanimously by voice vote. The 31st annual meeting of the Northwest Kansas Groundwater Management District 4 was adjourned at 3:00 p.m. CST, February 15, 2006. Respectfully submitted by Dave Mann, Secretary.

2008 Proposed Budget

Budget Category	2008 Proposed Budget	2007 Revised Budget
POSTAGE	\$7,700.00	\$7,700.00
Newsletter	\$6,000.00	\$6,000.00
General	\$1,700.00	\$1,700.00
PRINTING	\$7,900.00	\$7,900.00
Newsletter	\$7,500.00	\$7,500.00
Administrative	\$400.00	\$400.00
DUES	\$1,700.00	\$1,700.00
SUBSCRIPTIONS	\$2,400.00	\$1,800.00
INSURANCE	\$15,000.00	\$15,000.00
Office	\$4,750.00	\$4,750.00
Public Officials	\$4,500.00	\$4,500.00
Auto	\$550.00	\$550.00
Workman's Comp	\$4,300.00	\$4,300.00
Computer	\$700.00	\$700.00
Unemployment	\$200.00	\$200.00
TELEPHONE	\$4,500.00	\$4,500.00
SALARIES & BENEFITS	\$246,340.00	\$246,340.00
Gross Sal, SS, Kpers, Etc	\$229,640.00	\$229,640.00
Health Insurance	\$16,700.00	\$16,700.00
TRAVEL	\$8,000.00	\$8,000.00
Board	\$5,500.00	\$5,500.00
Staff	\$2,500.00	\$2,500.00
VEHICLES	\$5,950.00	\$5,950.00
Repair & Maint.	\$1,800.00	\$1,800.00
Operation	\$4,000.00	\$4,000.00
Tags	\$150.00	\$150.00
Purchase/Lease	\$0.00	\$0.00
CONTRACTED SERVICES	\$32,700.00	\$32,700.00
Accounting	\$2,300.00	\$2,300.00
Legal	\$1,400.00	\$1,400.00
Misc. Support	\$29,000.00	\$29,000.00
Water Sampling	\$0.00	\$0.00
Drilling	\$0.00	\$0.00
Weather Modification	\$0.00	\$0.00
PUBLICATIONS	\$550.00	\$550.00
Legal Notices	\$550.00	\$550.00
COOP PROGRAMS	\$403,087.70	\$325,587.70
Administrative	\$401,087.70	\$323,587.70
Equipment	\$0.00	\$0.00
Contracted Studies	\$2,000.00	\$2,000.00
Educational Programs	\$0.00	\$0.00
ADMINISTRATIVE	\$4,200.00	\$4,200.00
Office Supplies	\$1,600.00	\$1,600.00
Copy Machine	\$1,000.00	\$1,000.00
Computer Maintenance	\$750.00	\$750.00
Postage Meter Lease	\$300.00	\$300.00
Bank Charges	\$50.00	\$50.00
Field Supplies	\$500.00	\$500.00
NEW EQUIPMENT	\$5,000.00	\$15,000.00
Field	\$2,000.00	\$2,000.00
Office	\$3,000.00	\$13,000.00
CONTINGENCY RESERVE	\$0.00	\$51,345.44
FACILITY	\$10,975.00	\$10,975.00
Rent	\$10,000.00	\$10,000.00
Upkeep	\$975.00	\$975.00
Remodel	\$0.00	\$0.00
Foundation	\$550.00	\$550.00
Subscriptions	\$0.00	\$0.00
Legal	\$300.00	\$300.00
Technical Support	\$250.00	\$250.00
TOTALS	\$756,552.70	\$739,798.14

2006 Calendar Year Audit Report

STATEMENT OF CASH RECEIPTS AND DISBURSMENTS

All Accounts – For the period January 1 - December 31, 2006

2006 INCOME:

Cash forward from 2005 (Cash and Foundation CD) -----	\$224,390.22
County Assessments -----	\$440,966.24
Interest Earned (GMD4 and Foundation Accounts)-----	\$16,205.24
State Grant Income -----	\$0.00
Miscellaneous Income -----	\$62.50

2006 TOTAL INCOME: \$681,624.20

2006 EXPENDITURES:

Postage -----	\$7,735.25
Printing -----	\$8,835.22
Dues -----	\$1,600.00
Subscriptions -----	\$2,226.71
Insurance -----	\$14,824.22
Telephone -----	\$4,352.13
Salaries & Benefits -----	\$225,305.06
Travel -----	\$9,083.51
Vehicles -----	\$40,248.36
Contracted Services -----	\$19,453.00
Publications -----	\$599.98
Coop Programs -----	\$0.00
Administrative -----	\$6,126.93
Equipment -----	\$13,602.03
Facility -----	\$10,627.00
Reserve for contingency -----	\$360.81
Foundation -----	\$230.16

TOTAL 2006 EXPENDITURES ----- \$365,210.37

Cash on hand – 12/31/06 (All Accounts) ----- \$316,413.83¹

Post Office Return Postage Account - 12/31/06 ----- \$31.81

Postage remaining on Postal Meter - 12/31/06 ----- \$280.56

TOTAL CASH WORTH – 12/31/06 ----- \$316,726.20

¹ \$246,485.70 is dedicated Foundation carryover from 2005-2006, being carried over again into 2007.

2006 – Year in Review by Month

JANUARY

- ◆ Adopted a revised 2006 operating budget after assimilating the 2005 cash carryover funds.
- ◆ Considered changes to the newsletter in light of production costs. The board decided that the newsletter was effective and needed to continue with no changes.
- ◆ Joined the Kansas Water Congress for another year.

FEBRUARY

- ◆ Approved the 2005 audit report. The district books passed grade once again.
- ◆ Elected 2006 Officers as follows: President - Scott Maurath; Vice President - Mitch Baalman; Secretary - Dave Mann; Treasurer - Dave Rietcheck.
- ◆ Board received an update on the Rawlins County impairment investigation.

MARCH

- ◆ Board agrees to participate in a KU Law Seminar requiring a paper from the district on whether the district has been successful or not - what has worked well and what has not worked well. Direction is to prepare the paper based upon how well the publicly derived and locally expressed problems and programs (as expressed in the management program) have been implemented. The paper rejects the idea that the district is successful or unsuccessful based on any individual notion of success or failure.
- ◆ A public hearing is held regarding the proposed Revised Management program, and following the hearing, the board adopted the proposed program as presented as there were no comments offered during the hearing.
- ◆ Compliance inspections began on the metering program notice and proofs for wells in the NW quarter of any district section.

APRIL

- ◆ Board approves final language of new Regulation 5-24-10 - Small use Exemptions - and asks DWR to begin the regulation promulgation process.
- ◆ Time was spent discussing the high priority aquifer sub-unit areas, but no decisions were made - opting to continue discussions in May.
- ◆ Discussions were had with DWR on the missing security seals for meters. The district position was that the seals were not an accuracy issue and in cases where no tampering was evident, the deficiency should be noted with a request for correction,

but should not require the removal of the meter and confirmation of its accuracy in order to receive state compliance. Discussion would continue into May.

MAY

- ◆ Board considered again the high priority sub-unit parameters and asked to look at 2-mile and 5-mile water use density values as another possible parameter.
- ◆ Board also looked at several instances of changing irrigation water to other uses for small legitimate use applications. With the impact being reasonable, the board again asked DWR to continue the regulation promulgation process.
- ◆ Board agreed to support a modeling effort in cooperation with the Bureau of Reclamation and the Kansas Water Office and to provide \$6,000.00 (\$4,000.00 in in-kind support and \$2,000.00 in cash). The effort was to support the developing high priority areas in designing enhanced management approaches.
- ◆ Board discussed the new Quick Response Areas (QRA's) for the EQIP program, but tabled the item until the June meeting in order to consider the latest information.
- ◆ Approved a cost-share on two new steel tapes with the Kansas Water Office with state water plan funds. The agreement will cover half the cost of two new tapes up to \$1,000.00. The district is to provide two private water level measurements from the new tapes as a contract deliverable.

JUNE

- ◆ Board adopted their high-priority sub-unit area trigger parameters, but they would need adjustment based on more appropriate units for the water use density.
- ◆ The new EQIP QRA's were set as: the South Thomas County 4-Township area and a 4-Township area of SW Sherman County. Moreover, the intent was to offer each QRA for two EQIP program years pending suitable participation.
- ◆ Held a public hearing on the 2007 operating budget, which resulted in a total operating budget of \$652,481.20. This budget included all carryover funds for the Foundations as well.
- ◆ The Multi Year Flex (MFA) Program was discussed questioning why users had to give up 10% of their water right to enroll and gain the annual flexibility of water use. The response was that the program was statutorily set and that producers are aware of their irrigation limits before operations begin.

JULY

- ◆ Lon Frahm was approved by board action to apply for the Upper Republican BAC position representing GMD 4.
- ◆ The 2007 assessments were set by the board at \$.05 per acre for the land assessment and \$.32 per acrefoot for the water assessment.
- ◆ The triggers for the high priority areas were clarified over action taken in June. They made the target years consistent at 1996-2002, and changed the 2-year reported

water use density values to "reported acft used per acre" rather than "total acft used per 2-mile area".

- ◆ The final QRA's were set for the EQIP program monies available under the Ground and Surface Water program. The 4 townships in Thomas County were 9-32; 9-33; 9-34; and 10-33. The 4 townships in Sherman County were: N/2 of 9-39; 9-40; 9-41; 9-42; and the N/2 of 10-42.

AUGUST

- ◆ Board approved support for the Thomas County Conservation District for a Buffer Initiative grant.
- ◆ The high priority sub-unit areas were further refined by deciding to eliminate the high priority sections that had less than 15 feet of saturated thickness and less than 25 acft of reported water use density.

SEPTEMBER

- ◆ No Board Meeting held

OCTOBER

- ◆ No Board Meeting held

NOVEMBER

- ◆ Held a public hearing on proposed regulation 5-24-10. With no testimony against the proposed regulation, the board approved the proposed regulation and asked the chief engineer to make the regulation effective and begin implementing it within GMD 4. This regulation allows for small, legitimate water right applications not exceeding 15 acrefeet anywhere in the district provided a like amount of water is reduced from an existing water right within 2 miles.
- ◆ The board had a modeling update on the hydrologic model from Dave Barfield, DWR.

DECEMBER

- ◆ Annual meeting preparations begin and the board decides to focus on the coordinated state/district approach to overpumping water rights.
- ◆ Board considered providing comments on the Bureau of Reclamation's Resource Management Plan for Webster Reservoir. It was decided that no comments needed to be made by the district.
- ◆ The final high priority sub-unit areas were set. Any quarter township that includes 2 or more high priority sections would be included in a high priority area. The next task is to review the data and confirm its validity and appropriateness.
- ◆ The board received a modeling update from Bill Golden on the economic portion of the model. The board is being given unprecedented input into the assumptions and

values that drive the model. Once the board's values are provided, the model will be ready to run.

- ◆ The DWR/GMD4 metering MOU was reviewed and re-adopted.
- ◆ Staff and attorney contracts were approved.
- ◆ DWR presented a new approach to their blatant and recurring overpump program and asked if the board wanted to cooperate. After questions and discussion, the board agreed to cooperate and asked staff and DWR to begin working out the details.
- ◆ Lon Frahm was chosen to represent Northwest Kansas Groundwater Management District No. 4 in the Governor's re-appointment of the KWA member representing the 3 western Kansas GMD's - a position currently held by GMD 3 board member Dave Brenn. The position will be appointed sometime after January 15, 2007.

MISCELLANEOUS

- 1) Staff regularly participates in special conferences and meetings throughout the year. During 2006, the following conferences/meetings were attended (GMD4 sponsored meetings are bold):

Regular GMD4 Board meetings and Annual meeting

Groundwater Management Districts Association (GMDA) conferences

NRCS Kansas Technical Committee meetings

KWO Ogallala WISP Meetings

Legislative Committee Meetings

South Thomas County Meetings

Solomon Sub-basin Management Meetings

Kansas Water Congress meetings

KSU Research Field Days - Colby Experiment Station

Kansas Water Authority meetings

Basin Advisory Committee meetings under KWO

Kansas Groundwater Management Districts Association (KGMDA) meetings

KSU Water and the Future of Kansas Conference

- 2) A number of data bases are maintained throughout the year for various uses. For assessment applications, a landowner data base which includes water rights information is annually updated. For GIS applications, well locations; contamination sites; capped wells; NPDES permit locations; metered wells; county lines; district lines; roads; state lines; drainage; rain gauge locations; and tailwater complaint data bases are maintained. For the newsletter, a mailing list is kept current. For all other applications, various data bases are maintained including: abandoned well locations, water quality sampling results, water level data, rainfall data; and water use report data.
- 3) Field work is conducted all year so is not broken out by month. During 2006 the following types of field work/inspections were conducted:

Metered wells; Capped wells; Acre certifications; Abandoned wells; Tailwater Inspections; Well Rate Checks; 5-year Allocations; and Irrigation Plan inspections.

- 4) Six editions of the "Water Table" were written, printed and mailed to the district membership and others. The newsletters go out in early January, March, May, July, September and November. If you are not on the mailing list and would like to be, contact the office or visit the webpage to subscribe. The current mailing list is just over 5,300 recipients.
- 5) 2006 District presentations:
 - 1) Kansas State report at National GMDA Annual Conference - San Antonio, TX
 - 2) KU Wheat State Whirlwind Tour, Colby
 - 3) Leadership Kansas, Hays
 - 4) Meter Meetings - Goodland, Colby, Hoxie
 - 5) Groundwater Flow Model Demonstration, Colby
 - 6) KU Law Seminar Presentation, Lawrence
 - 7) GMDA, Jackson, WY
 - 8) Kansas Dialog, Colby
 - 9) Kansas Water Congress, Hays
 - 10) GMD 3 Board on eDrawer, Garden City
 - 11) Joint BAC meeting, Wakeeney
- 6) Continued to process and work on all phases of water rights within the district. There continues to be a steady level of activity in water rights work - specifically in Change Applications. As before continued emphasis will be placed on acres irrigated and authorized acres allowed to be irrigated. This focus will likely fuel a fairly constant stream of change applications for several years.
- 7) The district also maintains a web page on the world wide web which contains the most information about the district that can be found in one location other than in the office. It is generally updated weekly and is available 24 hours a day.

[HTTP://www.gmd4.org](http://www.gmd4.org)

- 8) The rest of staff time was spent attending to basic administrative duties which include: Records maintenance (financial, vacation, travel, minutes, personnel (including annual personnel evaluations) etc.); scheduling and preparation for board meetings and the annual meeting; serving the public with groundwater information and water rights application support; filing; and software development - all these functions supporting the overall district mission.
- 9) The newest project was begun in late 2005 but had a significant amount of time dedicated to it in 2006 - that being the electronic scanning of all district records and files. In 2006 staff added about 10,000 files to the database. Scanning records and documents provides an electronic copy that is easily backed up and accessible in case of major loss or disaster. This process is also reducing record storage space, allowing easier location of records and easier sharing/transmittal of files/records/documents.

Update/Discussion/Questions

Blatant and Recurring Overpumping.....

Presentation by Scott Ross, DWR Water Commissioner, Stockton Field Office

The Blatant Recurring Overpump (BRO) program originated in 2001 with GMD No. 4 being selected as the geographic area for the first program. The program has remained much the same although the areas have changed through 2006. The files in a given area are reviewed and the computer selects the files that have reported to have diverted in excess of their authorized quantity in the program year and at least one other year in the past 5 years. Those files are rank ordered to determine the highest 50 groups of files. A group is considered any file or series of files that have an overlapping place of use.

These top 50 are then reviewed for errors in reporting or data entry. The result is generally 20-50 individual files that have actually reported diverting water in excess of their authorized quantity, or actually overpumped in at least 2 years of the previous 5 years.

Those landowners were notified and required to attend technical sessions to review the file(s), determine, if possible, the reason for the over pumping and it possible correct the problem. While some files simply had more acres authorized than they had authorized quantity, most were the result of management. Regardless of the reason, the owner/operator was required to install a meter, and report monthly meter readings. Finally, an order was issued that placed the file on a list of those files for which a warning had been given, and the next level of enforcement was suspension of the water right for 2 years.

The New Program being Proposed

The Chief Engineer wanted the 2001 program reviewed for ways to broaden it such that a larger number of files could be dealt with more effectively. While the existing program has been successful, the number of files included each year is limited by the staff available to check meters, review files and attend technical meetings.

The BRO program in the Stockton Field Office chose to approach the GMD board of directors about cooperating on a new program to place more emphasis on the existing GMD No. 4 program known as Policy 15 (annual review of GMD 4 water use reports). The board approved such a cooperative effort and asked that staff work with DWR on the implementation details.

The Stockton Field Office and GMD 4 staff determined that the best initial information was included in the list of GMD 4 Policy 15 files from 2000 through 2005. This information was an initial list of 114 files based on those files that had been identified and a GMD 4 letter sent to the owner in at least two of those years. The Stockton Field Office staff then used the actual water use reports to provide confirmation of the GMD 4 findings and yet another level of review. It was noted that a significant number of those who had received two notices had not reported overpumping again. The decision was made to consider these individuals as being in compliance and remove them from the list. It was also found that several of the files had been in the BRO program previously and had not overpumped

again. They were also considered in compliance and eliminated from the final list. It was also found that two files that had changed their water rights to 5-year allocations to address the overpumping, and since this had been effective, these were removed from the final list. Finally, the total amount of over use was considered. To make the final selection, a file would need to have diverted at least 15 acre feet in total in at least three years of overpumping.

Those remaining on the final list will be issued an order directing them to install a meter if one has not already been installed. They will be required to file a monthly water use report for 2007 only. While technical assistance is always available, none will be required with the 2007 program. The order issued to the owner will place the file on a list for any future enforcement action should future overpumping occur.

Items still being discussed by GMD 4 and DWR for this new program are:

The consequences for violating the DWR order and overpumping again; and

How the program should continue on into the future.

Is there any discussion (questions, comments or suggestions) from the floor?

Economic Modeling Info Request.....

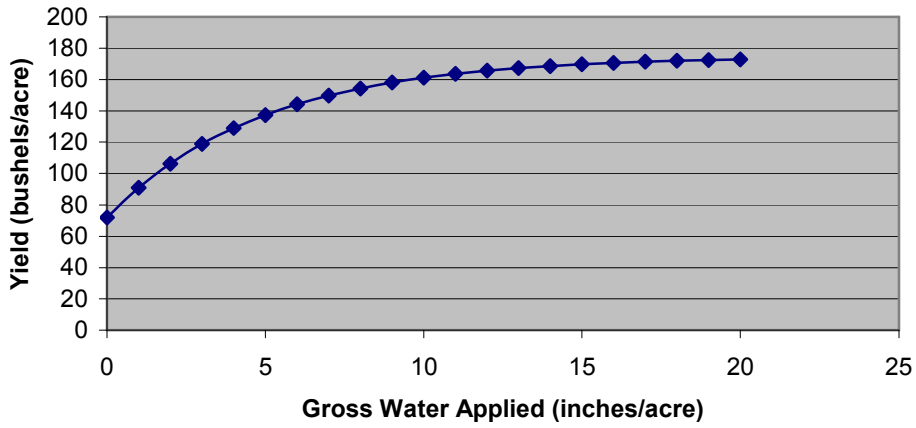
Wayne Bossert, Manager, GMD 4

GMD 4 is cooperating with the Bureau of Reclamation, the Kansas Water Office and the Division of Water Resources on modeling NW Kansas groundwater. The hydrologic model being developed is a hybrid of the Republican River Compact Settlement model. It will also be accompanied by an economic model being prepared by Kansas State University. This discussion will involve only the Economic model.

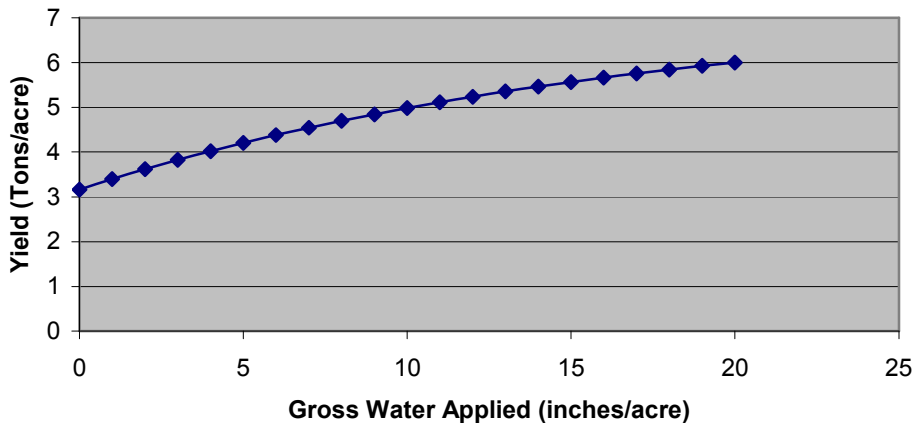
Titled: ***"Potential Economic Impact of Water Use Changes in Northwest Kansas"***, this model portion is to provide economic impact analysis capability for the region based on reduced water use patterns caused by management decisions. With the model we hope to forecast the economic impacts of various groundwater management strategies the district could undertake.

A critical part of the model requires real-world data regarding crop yields from various water application levels for the prominent crops. At this time KSU data shows the following 20-year average crop production graphs for corn, alfalfa, soybeans, sorghum and wheat for the NW crop reporting district which will be used in the model absent other data:

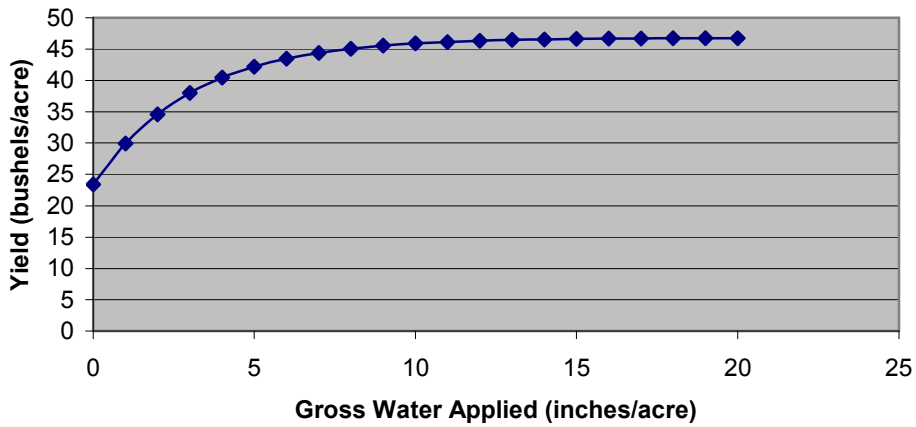
Average Production Function for Irrigated Corn in CRD 10



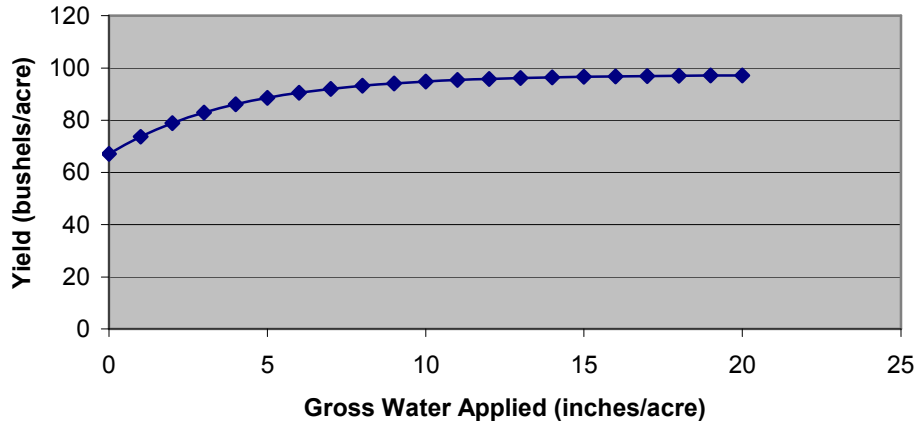
Average Production Function for Irrigated Alfalfa in CRD 10



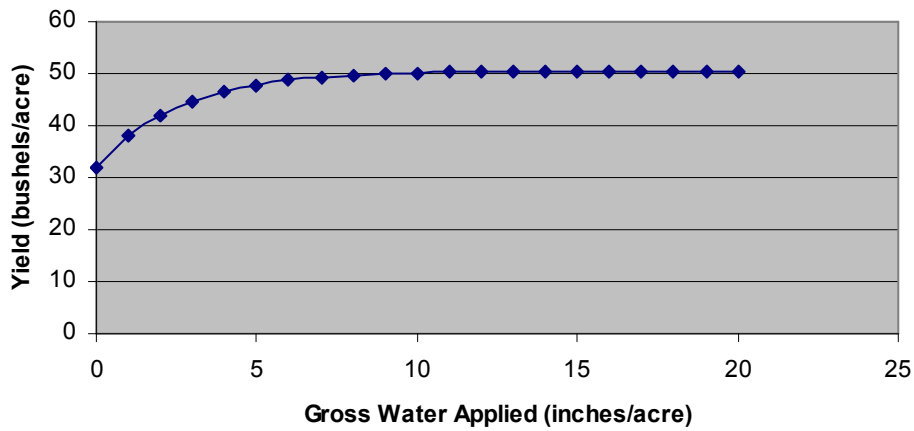
Average Production Function for Irrigated Soybeans in CRD 10



Average Production Function for Irrigated Sorghum in CRD 10



Average Production Function for Wheat in CRD 10



The board felt several of these graphs might be more generic (possibly outdated) crop production numbers which may not represent GMD 4 crop production numbers of today. However, supporting data is needed before the values can be changed in the model. Thus we are soliciting actual crop production data from producers in order to provide better values.

If you'd be interested in providing your crop production figures for any crop – COMPLETELY ANONYMOUSLY – ask GMD 4 staff for a blank form. Staff will aggregate the data by crop and provide it to the modelers.

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GMD 4 Permitted Well and Water Rights Data by County by Well Type

(Figures include wells and water rights within the county within the district)

As of October 2, 2006

	CN	DC	GH	GO	LG	RA	SD	SH	TH	WA
Domestic Wells							1	1	3	
AF							5.1	8.4	6.2	
Hyd Dredge Wells							1			
AF							25			
Industrial Wells		2		3			3	8	10	
AF		225		149.4			29.4	1,254.0	932.2	
Irrigation Wells	456	28	114	164	80	152	695	878	795	9
AF	104,531.4	3,816	21,686	29,814	16,226	30,676	162,588.6	263,857.8	208,302.1	2,907
Municipal Wells	10		4	7	7	3	10	14	14	
AF	1,073.9		263.6	626.8	959.8	107.4	737.6	2,281.9	2,591.9	
Recreation Wells	1		1		1		2		2	
AF	15		9.0		15		392.5		16.1	
Stockwater Wells	5		3	10	2	2	14	7	17	
AF	473.6		96.3	776.5	50	104	743.7	282.9	827.2	
Evap Wells	1								1	
AF	12.7								85.0	
County-Tot-Wells	473	30	123	185	90	157	726	908	845	9
County-Tot-AF	106,106.6	4,041	22,233.9	31,366.7	17,250.8	30,887.4	164,706.9	267,685.0	213,201.7	2,907
GMD-Tot-Wells	3,540									
GMD-Tot-AF	859,582.0									

(October 2, 2006 totals = decrease of 6 wells and a decrease of 805 Appropriated Acrefeet over February 1, 2006 totals)

Total **Wells** by Type and percent of total:

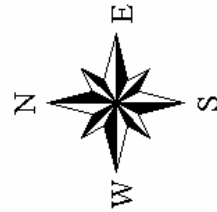
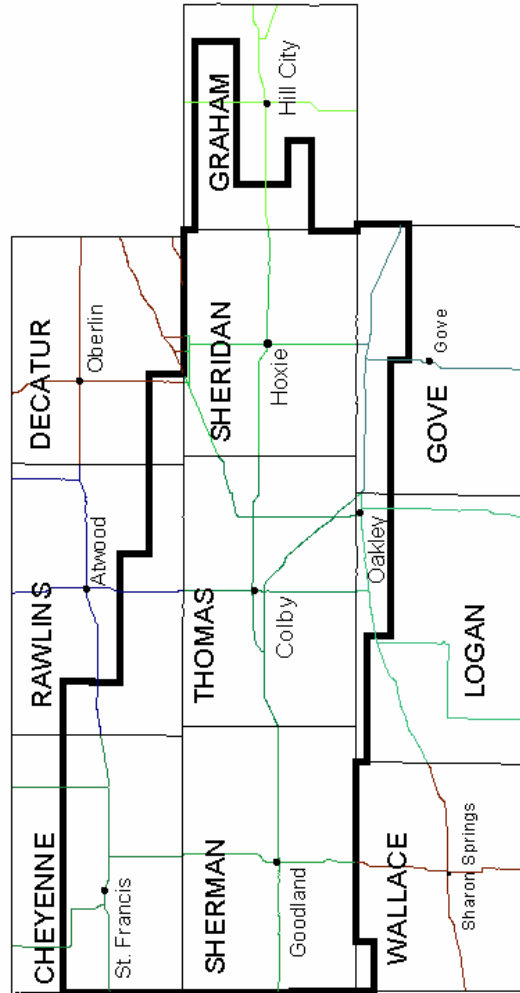
Domestic -----	5	.14%
Hydraulic Dredging -----	1	.03%
Industrial -----	25	.71%
Irrigation -----	3,371	95.22%
Municipal -----	69	1.95%
Recreation -----	7	.20%
Stockwater -----	60	1.69%
Evaporation -----	2	.06%
TOTAL -----	3,540	100.00%

Total **Amount (AF)** by Type and percent of total:

Domestic -----	19.7	.002%
Hydraulic Dredging -----	25.0	.003%
Industrial -----	2,590.0	.30%
Irrigation -----	844,404.9	98.234%
Municipal -----	8,642.9	1.005%
Recreation -----	447.6	.05%
Stockwater -----	3,354.2	.39%
Evaporation -----	97.7	.01%
TOTAL -----	860,387.0	100.00%

District Map

Northwest Kansas Groundwater
Management District 4 Boundary



NOTES PAGE