



# United States Department of the Interior

BUREAU OF RECLAMATION  
Nebraska Kansas Area Office  
McCook Field Office  
1706 West 3rd Street  
McCook, NE 69001



IN REPLY REFER TO:

NK-410  
PRJ-23.00 BSW

NOV 25 2009

Mr. Kenneth Nelson  
Kansas-Bostwick Irrigation  
District No. 2  
P.O. Box 165  
Courtland, KS 66939


Subject: 2009 Irrigation Season

Dear Mr. Nelson:

The Kansas-Bostwick Irrigation District used a total of 54,464 acre-feet of water during the 2009 irrigation season. There were 18,833 acre-feet used above Lovewell and 35,631 acre-feet used below Lovewell.

We are enclosing the following: the 2009 "Water Use Statement", "Analysis of Use and Loss Distribution," and copies of the Courtland 0.7, Courtland 15.1, Courtland 34.8 and Courtland 38.0 canal records. We will use the data from your "Kansas-Bostwick Irrigation District Monthly Water Report Summary" for our "Monthly Water Distribution" reports. Please send the number of acres irrigated on the upper and lower Courtland Canals in 2009 to the McCook Office by December 31, 2009.

Sincerely,

  
for Marvin R. Swanda  
Office Manager

Enclosures - 19

Attachments  
Available

PRES.	GH
SECY	BT
TREAS.	MD
SUPT.	KN



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JUN . 5 2009

NK-410  
WTR-4.10

Mr. Kenneth Nelson  
Kansas Bostwick Irrigation District No. 2  
PO Box 165  
Courtland, KS 66939-0165

Subject: Updated 2009 Available Water Supply (Franklin, Superior-Courtland and Courtland Units, Bostwick Division, Kansas, Pick-Sloan Missouri River Basin Program)

Dear Mr. Nelson:

The Bureau of Reclamation (Reclamation) has established the shutoff elevation for Harlan County Lake (HCL) for the 2009 irrigation season as provided for in Attachment B to the Contract No. 009D6B0120 between the United States and the Kansas-Bostwick Irrigation District No. 2 in Kansas. The shutoff elevation using the actual May 31 data is 1934.58 ft. m.s.l.

Currently, the estimated total water supply from HCL that is available for irrigation release is approximately 149,179 acre-feet. The District's share of available water supply from HCL is 90,925 acre-feet.

These estimates are based on the assumption that inflow to both HCL and Lovewell Reservoir equals evaporation from the reservoirs during the irrigation season and the District will deliver one inch of water each six to seven days.

If you have any questions, please contact this office at 308-345-1044.

Sincerely,

*William E. Beck, Jr.*  
FOR  
Marvin R. Swanda  
Office Manager

PRES.	<i>GH</i>
SEC'Y	<i>BP</i>
TREAS.	<i>MD</i>
CUPT.	<i>KN</i>



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JAN 28 2009

NK-410  
PRJ-23.00 BSW

Mr. Kenneth Nelson  
Kansas-Bostwick Irrigation  
District No. 2  
PO Box 165  
Courtland, KS 66939

Subject: Monthly Water Distribution Reports - 2008

Dear Mr. Nelson:

Enclosed for your records are copies of the 2008 "Monthly Water Distribution" reports for the Courtland Canal above Lovewell, Courtland Canal below Lovewell, and the Kansas-Bostwick Summary.

Sincerely,

Marvin R. Swanda  
Office Manager

Enclosures

PRES.	G/H
SECY	BP
TREAS.	MD
SUPT.	KN

KBID 000316

7-322  
 Revised for KRP use  
 2-74

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF RECLAMATION  
**MONTHLY WATER DISTRIBUTION**

KBID 000317

Canal: COURTLAND ABOVE LOVELL District: KANSAS-BOSTWICK IRRIGATION DISTRICT NO. 2  
 Project: Pick-Sloan Missouri Basin Program Acres Irrigated During Season: 9,791 Year 2008

Month	Kan-Bost Share		Kan-Bost Loss	Diversions below State/line	Net Supply	Main Canal Waste	Main Canal Losses	Delivered to Laterals*	Lateral Waste	Lateral Losses	Delivered to Farms			Acres Feet Per Acre****
	Share	Loss									From Main Canal***	From Lateral****	Total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	1,005	1,191	1,542	3,738	0	2,196	1,522	228	941	20	353	373	0.038	
July	1,467	1,763	4,281	7,511	0	3,230	4,181	812	1,194	100	2,175	2,275	0.232	
August	1,166	1,502	3,063	5,731	0	2,668	2,835	522	631	228	1,682	1,910	0.195	
September	33	191	229	453	0	224	229	75	103	0	51	51	0.005	
October	0	0	0	0	0	0	0	0	0	0	0	0	0	
November	0	0	0	0	0	0	0	0	0	0	0	0	0	
December	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	3,671	4,647	9,115	17,433	0	8,318	8,767	1,637	2,869	348	4,261	4,609	0.47	
Acres ft. per acre*****				1.78	0	0.85	0.9	0.17	0.29	0.04	0.44	0.47		
Percent Net Supply				100	0	47.7	50.3	9.4	16.5	2.0	24.4	26.4		

INSTRUCTIONS  
 Columns 8+11=Column 4.  
 Columns 2+3+4=Column 5.  
 Columns 5-6-8-11=Column 7.  
 Columns 8-9-12=Column 10.  
 NOTE: Nebraska canal loss as shared by Kansas-Bostwick included in this report.  
 NOTE: Net Supply does not include losses incurred by Kansas Bostwick or USBR (to Lovell).  
 \*\*\*\*\*Use total acres irrigated during season to compute this column.

7-322  
Revised for KRP use  
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UNITED STATES  
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**MONTHLY WATER DISTRIBUTION**

KBID 000318

Canal: COURTLAND BELOW LOVWELL District: KANSAS-BOSTWICK IRRIGATION DISTRICT NO. 2  
Project: Pick-Sloan Missouri Basin Program Acres Irrigated During Season: 25,561 Year 2008

Month	Diverted From Lovewell Reservoir	Inflow From Other Sources	Delivered to Regulating Reservoir	Net Supply	Main Canal Waste	Main Canal Losses	Delivered to Laterals*	Lateral Waste	Lateral Losses	Delivered to Farms			Acres Feet Per Acre ****
										From Main Canal**	From Lateral***	Total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0
May	415	0	0	415	0	415	0	0	0	0	0	0	0
June	3,280	0	0	3,280	0	1,492	1,788	322	1,303	0	163	163	0.006
July	11,816	0	0	11,816	0	1,314	10,408	1,789	2,998	94	5,621	5,715	0.224
August	13,319	0	0	13,319	0	1,836	11,350	1,798	2,297	133	7,255	7,388	0.289
September	1,186	0	0	1,186	0	458	724	364	239	4	121	125	0.005
October	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	30,016	0	0	30,016	0	5,515	24,270	4,273	6,837	231	13,160	13,391	0.524
Acres ft. per acre*****				1.17	0	0.22	0.95	0.17	0.27	0.01	0.51	0.52	
Percent Net Supply				100	0	18.4	80.9	14.2	22.8	0.8	43.8	44.6	

INSTRUCTIONS Column 2=Diversion amount exclusive of waste at head gates for sluicing.

Columns 2+3-4=Column 5.

Columns 5-6-8-11=Column 7.

Columns 8-9-12=Column 10.

\*Measured at lateral turnouts from main canal.

\*\*Measured at farm turnouts from main canal.

\*\*\*Measured at farm turnouts from laterals.

\*\*\*\*Use total acres irrigated during season to compute this column.

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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**MONTHLY WATER DISTRIBUTION**

**Canal:** KANSAS-BOSTWICK SUMMARY **District:** KANSAS-BOSTWICK IRRIGATION DISTRICT NO. 2  
**Project:** Pick-Sloan Missouri Basin Program **Acres Irrigated During Season** 35,352 **Year** 2008

**Diversion from:** Republican River & Lovewell Reservoir **ACRE-FEET:**

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Month	Total Allocated Above Lovewell	Diverted From Lovewell 38.0	Inflow From Other Sources	Net Supply	Main Canal Waste	Main Canal Losses	Delivered to Laterals*	Lateral Waste	Lateral Losses	From Main Canal**	Delivered to Farms Lateral***	Total	Acres Feet Per Acre****
January	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	415	0	415	0	415	0	0	0	0	0	0	0
June	3,738	3,280	0	7,018	0	3,688	3,310	550	2,244	20	516	536	0.015
July	7,511	11,816	0	19,327	0	4,544	14,589	2,601	4,192	194	7,796	7,990	0.226
August	5,731	13,319	0	19,050	0	4,504	14,185	2,320	2,928	361	8,937	9,298	0.263
September	453	1,186	0	1,639	0	682	953	439	342	4	172	176	0.005
October	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>17,433</b>	<b>30,016</b>	<b>0</b>	<b>47,449</b>	<b>0</b>	<b>13,833</b>	<b>33,037</b>	<b>5,910</b>	<b>9,706</b>	<b>579</b>	<b>17,421</b>	<b>18,000</b>	<b>0.509</b>
Acres ft. per acre****				1.34	0	0.39	0.93	0.17	0.27	0.02	0.49	0.51	
Percent Net Supply				100	0	29.2	69.6	12.5	20.5	1.2	36.7	37.9	

**INSTRUCTIONS** Column 3=Diversion amount exclusive of waste at head gates for sluicing. \*Measured at lateral turnouts from main canal.

Columns 2+3+4=Column 5.

Columns 5-6-8-11=Column 7.

Columns 8-9-12=Column 10.

\*\*Measured at farm turnouts from main canal.

\*\*\*Measured at farm turnouts from laterals.

\*\*\*\*Use total acres irrigated during season to compute this column.



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Mr. Kenneth Nelson  
Superintendent  
Kansas Bostwick Irrigation District No. 2  
PO Box 165  
Courtland, KS 66939-0165

Subject: 2009 Available Water Supply (Franklin, Superior-Courtland and Courtland Units,  
Bostwick Division, Kansas, Pick-Sloan Missouri River Basin Program)

Dear Mr. Nelson:

As provided for in Attachment B to the Contract No. 009D6B0120 between the United States and the Kansas-Bostwick Irrigation District No. 2 in Kansas, the estimated reservoir shutoff elevation for Harlan County Lake (HCL) is 1934.58 ft. msl and the total available release from HCL for the 2009 irrigation season is 130,000 acre-feet. These estimates are based on a full conservation pool in both HCL and Lovewell Reservoir prior to the irrigation season, and the assumption that inflow to both HCL and Lovewell Reservoir will equal evaporation from the reservoirs during the irrigation season. The District's share of storage that will be available for release at the end of May based on the procedures outlined in the Contract is 78,885 acre-feet.

Enclosed is an estimate of water availability for the 2009 irrigation season.

If you have any questions, please contact this office at 308-345-1044.

Sincerely,

Marvin R. Swanda  
Office Manager

Enclosure

PRES.	GLH
SECY	BP
TREAS.	MD
SUPT.	KN

ESTIMATED WATER AVAILABILITY -- 2009

January 7, 2009

<u>DISTRICT</u>	<u>ESTIMATED FARM DELIVERY (INCHES)</u>
Mirage Flats	3.5
Ainsworth	Full Supply
Twin Loups	Full Supply
Frenchman Valley	1.0
H&RW	1.0
Frenchman-Cambridge	
Meeker, Red Willow & Bartley	8.0
Cambridge Canal	8.0
Almena	5.5
Bostwick In Nebraska	Full Supply
Kansas-Bostwick	
Upper Courtland	Full Supply
Lower Courtland	Full Supply
Kirwin	Full Supply
Webster	Full Supply
Glen Elder	Full Supply

NOTES: Inches of availability are estimates only and do not constitute a guaranteed delivery. These estimates are for the District's use in determining an estimate to supply to your water users. In water short districts the estimates would need to be adjusted if the district does not plan to deliver one inch of water each six or seven days.