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**Ron Theis**

**From:** Ann Bleed [ableed@dnr.ne.gov]  
**Sent:** Wednesday, March 14, 2007 4:56 PM  
**To:** Jeanne Glenn  
**Cc:** Rex Gittins; Ron Theis; Michael Salzwedel; John Erickson; David Cookson; Gerry Oligmueller  
**Subject:** Response to Senator Heidemann's questions

Here are the costs to irrigators on the Bureau of Reclamation canals in the Republican River Basin for 2007.

Frenchman Valley Irrigation District \$ 9.00 per acre but is supplementing true cost from reserves at \$9.00 per acre for a total of \$18.00  
H&RW Irrigation District Don't pay unless deliveries are made!

Frenchman Cambridge Irrigation District:

Meeker-Driftwood Canal \$6.00 per acre + \$2.5 per acre inch delivered (3.5 estimated for 2007)  
Red Willow Canal \$ 10.00 per acre + \$2.5 per acre inch delivered (3.5 in estimated for 2007)  
Bartley Canal \$ 10.00 per acre + \$2.5 per acre inch delivered (3.5 in. estimated for 2007)  
Cambridge Canal \$ 10.00 per acre + \$2.5 per acre inch delivered (8 in. estimated for 2007)

Bostwick District is charging \$ 28.00 per acre but is supplementing true cost from reserves at \$4.00 per acre.

We do not know the number of commingled acres on each canal because the NRDs have not yet developed maps of the certified acres irrigated with ground water that we could use to overlay the surface water maps. We did try to develop a rough estimate of the number of acres that are commingled but really don't have a good number. In Frenchman Valley it is likely as high as 90% of the total acres. On the other canals is less. On some canals, such as Meeker, there is no aquifer so there are no commingled acres. Bottom line - until we get a good GIS coverage of ground water irrigated acres from the NRDs, we do not know.  
Ann

## Republican River Basin Canals

District	Canal	Storage Source	Natural Flow Source	Communities effected	Permitted Acres
Pioneer Irrigation District	Haigler Canal	None	North Fork Republican River	Haigler	1899.6
Frenchman Valley Irrigation District	Culbertson Canal	Enders Reservoir	Frenchman Creek	Culbertson	9292.4
H and RW Irrigation District	Culbertson extension Canal	Enders Reservoir	Frenchman Creek	Culbertson, McCook	11915
Riverside Irrigation Company	Riverside Canal	None	Frenchman Creek	Culbertson	672.1
Frenchman Cambridge Irrigation District	Meeker-Driftwood Canal	Swanson Reservoir	Republican River	Trenton, Culbertson, McCook	16854.8
Frenchman Cambridge Irrigation District	Red Willow Canal	Hugh Butler Reservoir	Red Willow Creek	Indianola, Bartley, Cambridge	4797.3
Frenchman Cambridge Irrigation District	Bartley Canal	Swanson and Hugh Butler Reservoirs	Republican River	Bartley, Cambridge	6353
Frenchman Cambridge Irrigation District	Cambridge Canal	Harry Strunk, Hugh Butler, Swanson Reservoirs	Republican River	Cambridge, Holbrook, Arapahoe, Edison, Oxford, Orleans and Alma	17663.9
Bostwick Irrigation District	Naponee Canal	Harlan County Reservoir	Republican River	Naponee, Bloomington, Franklin	1650
Bostwick Irrigation District	Franklin Canal	Harlan County Reservoir	Republican River	Naponee, Bloomington, Franklin, Riverton, Red Cloud	10920
Bostwick Irrigation District	Franklin Pump Canal	Harlan County Reservoir	Republican River	Franklin, Riverton	2090
Bostwick Irrigation District	Superior Canal	Harlan County Reservoir	Republican River	Guide Rock, Superior	5840
Bostwick Irrigation District	Courtland Canal	Harlan County Reservoir	Republican River	Guide Rock, Superior	1946
<b>Total</b>				<b>91894.1</b>	