

**Yolanda Sandoval**

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**From:** Craig Scott  
**Sent:** Tuesday, January 03, 2006 2:14 PM  
**To:** kbid@courtlund.net  
**Subject:** Re: HCL Water Supply Scenarios

No, I won't be at Four States but Marv will be.

I am not sure who else is attending from McCook.

Craig

>>> "KBID" <[kbid@courtlund.net](mailto:kbid@courtlund.net)> 01/03/06 03:01PM >>>  
Thanks Craig. This will be helpful. Are you going to be at Four States?

----- Original Message -----

From: "Craig Scott" <[CSCOTT@gp.usbr.gov](mailto:CSCOTT@gp.usbr.gov)>  
To: <[kbid@courtlund.net](mailto:kbid@courtlund.net)>  
Cc: "Marvin Swanda" <[MSWANDA@gp.usbr.gov](mailto:MSWANDA@gp.usbr.gov)>; "William Peck" <[WPECK@gp.usbr.gov](mailto:WPECK@gp.usbr.gov)>  
Sent: Tuesday, January 03, 2006 2:51 PM  
Subject: HCL Water Supply Scenarios

> Kenny, below is a summary of some possible HCL water supply scenarios  
> as  
you  
> requested.  
>  
> Based on the end of December elevation the estimated water supply from  
> HCL  
will  
> be approximately 15,600 AF with a shutoff elevation of 1930.50. NE's  
share  
> will be about 10,000 AF and KS's share will be about 5,600 AF.  
>  
> This may vary slightly and will depend on the actual end of month HCL  
elevation  
> the COE uses.  
>  
> Scenario 1: If this year is operated as described in the contract  
> each district can assume about 2.5 inches of delivery to the farms.  
> This is  
based  
> upon the districts operating at efficiencies as identified in the  
> split procedures.

- >
- > If the river and canal losses are higher than they have been during
- > past irrigation seasons then the supply will more likely be within
- > 1.0-1.5 inches.
- >
- > Scenario 2: KS Bostwick diverts all the natural flows in the river below HCL
- > and uses 5600 AF from HCL storage.
- >
- > The estimated supply to the lands above Lovewell would be 4.5 inches
- > if historic operating efficiencies are reached. Therefore, if the
- > canal and
- river
- > losses are higher than normal the farm delivery would most likely fall
- between
- > 3.0-3.5 inches.
- >
- > Superior Canal has diverted an average about 5,000 AF during Jun-Aug
- > over
- the
- > last two years. The timing and use of the natural flows may affect
- > the
- above
- > estimates.
- >
- > Scenario 3: KS Bostwick diverts all of NE Bostwick's share of natural
- flows
- > and HCL supply plus KS Bostwick share of HCL storage and natural flows.
- >
- > KS Bostwick's supply would increase by about 15,000 AF. The estimated
- supply
- > to the farms using normal canal and river losses would be 7.0 inches.
- >
- > If the canal and river losses were higher than normal the estimated
- > supply would be in the range of 5.0 - 5.5 inches.
- >
- > This is based on our best available information at this time and may
- > vary depending on the timing of natural flows and the length of the
- > irrigation season.
- >
- > If you have any questions or need additional information let me know.
- >
- > Craig
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