

RE Deal water.txt

From: William Peck [WPECK@gp.usbr.gov]
Sent: Wednesday, August 29, 2007 8:39 AM
To: Kenneth Nelson
Subject: RE: "Deal" water

Good Morning Kenny,

Wanted to let you know that I neglected to include the evaporation loss associated with the protected water in Harlan County. A share of this summer's evaporation from Harlan County Lake is to be subtracted from the protected pool. As you know, the evaporation loss from Harlan County Lake is substantial and will have a definite impact on the amount of water in the carryover pool. Inflow and evaporation numbers are finalized at the end of the month after we receive data from the Corps of Engineers. We can provide an estimate if you need something prior to next week, otherwise we will send you a more accurate number next week.

Bill

>>> "Kenneth Nelson" <kbid@courtl and.net> 08/29/07 8:02 AM >>>
Thanks Bill, I agree there is definitely more than 5,000 natural flow. It may be tricky to pin it down exactly.

Kenny

-----Original Message-----
From: William Peck [mailto:WPECK@gp.usbr.gov]
Sent: Tuesday, August 28, 2007 5:17 PM
To: Kenneth Nelson
Subject: Re: "Deal" water

Hello Kenny,

Here are the numbers that we have available for the "deal" water.

Purchased protected water for use by Kansas Bostwick Irrigation District (KBID):

1) Purchased water from Frenchman Valley and Riverside Irrigation Districts. The consumptive use portion of this water protected to Harlan County Lake has totaled 2,590 acre-feet to date. This is the water that was passed through Harlan County Dam.

2) Purchased water from Frenchman-Cambridge Irrigation District (FCID). The consumptive use portion of this water protected to Harlan County Lake totaled 13,930 acre-feet. This is the water that was released from Harry Strunk Lake.

3) Purchased water from Bostwick in Nebraska Irrigation District. This purchase included 12,500 acre-feet of storage water in Harlan County Lake and approximately 5,000 acre-feet of natural flow at Guide Rock Diversion Dam.

The total amount of purchased water protected to Harlan County Lake for KBID use was 29,020 acre-feet (2,590+13,930+12,500).

The irrigation release from Harlan County Lake totaled about 21,220

RE Deal water.txt

acre-feet this season leaving approximately 7,800 acre-feet of storage in the protected pool purchased in 2007. This storage is the unused portion of the Bostwick in Nebraska purchase to be carried over into next season.

As you know, the district also benefitted from at least 5,000 acre-feet of natural flow pick up at Guide Rock Diversion Dam. We do not have a real good handle on how much of 0.7 diversion was from natural flow at this time, but it seems safe to assume it was greater than the 5,000 acre-feet average of the 2004 and 2005 seasons.

Also, an additional 10,000 acre-feet (at best) may have come into Harlan County Lake as a result of the Harry Strunk release (non protected water). This water would have been considered return flows or natural flow (had FCID irrigated) and split proportionally between the two districts.

Hope this is what you were looking for, call if you have questions.

Bill

>>> "Kenneth Nelson" <kbid@courtl and.net> 08/28/07 8:59 AM >>>
Good Morning Bill,

As soon as you guys can, let me know how much and which water we used this season.

Kenny