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MAR 30 2011

WATER RESOURCES  
WESTERN REGION

STATE OF IDAHO  
**WATER DISTRICT No. 63**  
(BOISE RIVER)

REX R. BARRIE, WATERMASTER  
P.O. BOX 767  
STAR, IDAHO 83669-0767  
(208) 908-5480

Hart Davis Ditch Company  
Attn: Board Chairman  
1401 Trout Road  
Eagle, Id 83616

Dear Josh:

At your annual Hart Davis Water Users meeting there was a concern that the State was not measuring at the correct location and as such Hart Davis Ditch Co. was being over-charged on the amount of water being diverted from the Boise River.

I have contacted the Western Region and State Office of the Idaho Department of Water Resources to clarify this question.

The Hart Davis Ditch is measured at the current location to record the actual diversion of water from the Boise River. Any return flows between your diversion dam and headgate are considered returns to the river. If the Hart Davis Ditch Company request to move the measuring site to the diversion dam several requirements must be met.

1. Installation of a new measuring device located near the diversion dam that is approved by the Dept.
2. All return flows between the diversion dam and current measuring site must have measuring devices installed and these flows recorded or these returns could be piped to the river.
3. An easement must be granted to the state, by the property owner (s) for access to the new measuring sites.
4. Installation expense would be the responsibility of the Hart Davis Ditch Company.

As you can see this change could become very costly for the Hart Davis Water Users.

I have enclosed a copy of the Watermaster's report from 1966 that explains the requirement of installation of measuring sites on the Boise River. Also included is a photograph of the site as it appeared after the weir was constructed and one that was taken this month. I am very confident that the current weir is the same one pictured in the report.

I hope this helps explain the State's position on the current practice of measurement.

Please contact me with any questions you may have.

Sincerely,

A handwritten signature in black ink, appearing to read "Rex R. Barrie". The signature is fluid and cursive, with a long horizontal stroke at the end.

Rex R. Barrie  
Boise River Watermaster

Cc: Tim Luke, IDWR State Office  
John Westra, IDWR Regional Office

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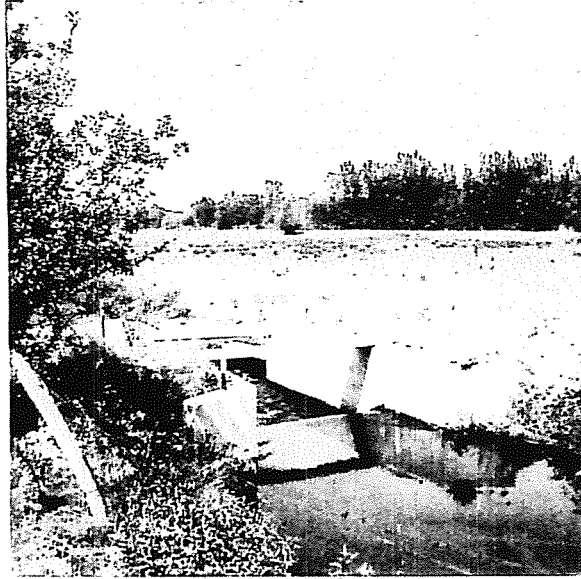
EXPLANATION

In the winter of 1966 the Idaho State Reclamation Engineers office issued orders to the water users on the Boise River, to install weirs and headgates capable of measuring the water, as well as controlling it at its source from the river. In this book the pictures show the type of structure or place where the water was measured before and after the new installations. Some of the new structures are well built and properly installed, while others are not, but after due consideration it is such an improvement over the old method we are grateful for what we have.

John Walker of the U.S.B.R. was very helpful in the original planning, for the type of structure necessary to measure water at that particular location. John Turner of Armco Steel devoted a lot of time in the structure planning, and helped in the installation of some structures. I am grateful to both men for their help.

Most of the canals in section 3 of the Boise River (Notus to Parma) were not previously measured, a figure of an inch per acre was used prior to the installing of measuring weirs, to determine the amount of water used by each canal. After weirs were installed we discovered that in most cases they were using more than an inch per acre. Prior to the installation of gates and weirs the moss and weed condition was, so bad, we could not measure without first scything the place out, which was taking so much time we could not get to all of it.

Hart Davis Ditch



6' rectangle weir

The Hart Davis Canal has a 6 foot rectangle weir and it works quite well. At this writing the headgate needs some alteration. It is located on the Eagle Island Prison Farm.

Island Highline Canal



8' current meter station

The Island High Line Canal has an 8 foot current meter station, and is located one mile south and one half mile east of Parma.

