

ROCK CREEK WATER DISTRICT 47-0
2391 Rock Creek Road
Hansen, ID 83334

RECEIVED

September 17, 1996

SEP 24 1996

Ken Mulberry
Russet Valley Produce
Kimberly, ID 83341

Department of Water Resources
Southern Region

Dear Mr. Mulberry:

As you already know the Stricker ditch, four foot weir has not worked for over four years. You replaced the old broken down weir last year with another four foot cipolletti weir, however it was not installed correctly. Jim Stanton, from IDWR, and I inspected the new weir this spring, and he agreed that the weir cannot be used to obtain an accurate measurement. The basic problems which we observed were:

1. A weir requires approximately a 6-inch drop between the upstream and down stream water surfaces. (Stricker has about one inch).
2. The water approaching the weir should be free from eddies and flow slower than one-half foot per second. (Stricker is too fast).
3. Water must flow freely below the weir, leaving an air space under the over-falling sheet of water. (Stricker has no air space).

I went ahead and delivered your water this year, even though the measurements were not accurate, assuming that you would make the necessary corrections which I recommended to you.

Since you have made no corrections with this weir I will inform you now that the headgate will be closed and locked until the necessary corrections are made. This gives you time to be ready for the 1997 season.

For your information there are at least two different weirs which would work in the Stricker ditch without checking the water as the Cipolletti does. One is the Parshall Flume, which is like the flume currently being used in the East ditch. The other is the Ramped Broad Crested Weir. Information about these weirs and how they are to be installed can be obtained from the Idaho Department of Water Resources.

If you wish to discuss this further please give me a call at 423-5066.

Sincerely,



C.E. Helman

Watermaster 47-0

cc: IDWR Twin Falls, Jim Stanton
IDWR Boise, Tim Luke