State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Robert L. Morgan
State Engineer

1594 West North Temple, Suite 220
Box 146300
Salt Lake City, Utah 84114-6300
801-538-7240
801-538-7467 (Fax)

October 1, 1998

Mr. George Douglass
Deep Creek Mountains Ranch
Callao Star Route, Box 380
Wendover, UT 84083

Re: Flow measuring devices in Granite and Cottonwood Creeks

Dear Mr. Douglass:

Thank you for taking time to show us your diversion sites out of Cottonwood and Granite Creeks on September 22, 1998. On the basis of the information you gave us I would like to reiterate some of the things we talked about during our meeting which will serve as ground to my recommendations.

We looked at the 12 inches McCrometer totalizer meter installed in the pipeline out of Granite Creek diversion and noticed that the meter was not working properly at the time of the visit. You indicated that at low flows this meter was not recording the flows properly and has a tendency to stop recording the flows. You expressed the desire to install a 4-inch meter at the head of the diversion on Granite Creek to record the low flows. During our visit of the diversion at the head of the Granite creek, I notice a pipe coming out of the diversion dam above your pipe intake (see attached photos). You indicated that at lows flows you have used this pipe intake to divert water. This pipe could be connected to another pipe with an in-line meter attached to it to record the low flows. We also looked at the McCrometer meter installed in an 8-inch line that deliver water out of the Cottonwood Creek. This meter seems to be working. However, condensation was observed in the top plate of the meter.

It is recommended that both meters be sent to the manufacturer for service and calibration. Also, a totalizer meter should be installed at the head of the diversion pipeline when diverting low flows. All the meters should be accessible to the Commissioner and should be in place before the 1999 irrigation season.

Please be advised that to get accurate measurements from the McCrometer meters the pipe should be flowing full at all time. You may accomplish this by rasing the water level at the discharge pipe.

I appreciate your interest in making these changes in the Cottonwood and Granite creek measuring devices. If this office can provide any assistance in regards to this matter, please do not hesitate to contact me at (801)538-7384.

Sincerely,

Gertrudys B. Adkins

Gertrudys Adkins, P.h.D.
Civil Engineer
for Adjudication and Distribution

enclosures
cc: John Mann
Lee Sim
Glen Allred