



State of Idaho
DEPARTMENT OF WATER RESOURCES

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PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

June 23, 1995

Tom Oliver
3357 Osprey Rd.
Eagle, ID 83616

Steve Dobson
PO Box 366
Horseshoe Bend, ID 83629

RE: PORTER CREEK RIGHT #2 (A AND B PORTIONS)

Dear Tom and Steve:

This letter follows the recent field meeting held on June 12, 1995 to discuss Porter Creek Water District items of interest to those people who were able to attend.

The meeting included a site visit to your point of diversion near the creek. The new pipeline installation work was viewed and looks impressive. A few concerns regarding the new work are identified as follows.

- 1) Does adequate room exist between the measuring weir and the beginning of the pipeline so that weir measurements will not be impacted? Perhaps you have some design information to address this point. The site can be monitored by the Watermaster to determine if any problems arise.
- 2) The outlet pipe from the bubbler to the creek appears to be incomplete. The area around the pipe outlet at the creek bank should be sufficiently armored with riprap to prevent creek bank erosion.
- 3) The diversion dam in the creek should be modified when re-activated this year and in subsequent years for the following benefits.
 - a. You can maximize the delivery of Porter Creek water to your headgate with a more efficient dam.
 - b. A better dam will improve the Watermaster's capability to monitor flows past the dam (minor flows for #5 or essentially no flows past the dam if #5 not diverting water).
 - c. Fishery habitat will be enhanced if juvenile fish can travel around the dam via the cement by-pass structure adjacent to your headgate. Historically, most of the flows passing the dam have gone *through* the dam (leaking spots) instead of *by-passing* the dam via a channel-type flow towards the headgate and then through the cement by-pass structure. The latter choice decreases juvenile fish mortality.

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It is requested that you install a more efficient diversion dam by lining the channel with plastic from the headgate to the dam. The plastic can be placed over the diversion dam and secured in some manner to minimize leakage through the dam. This will benefit your water delivery plus provide other positive benefits as outlined. The use of plastic will provide an easily installed and maintained method unless you would prefer to construct a more permanent concrete and wood diversion dam to achieve these goals.

I believe that a modest effort will yield significant benefits for your operation and for the overall management of the water district. Please let me know as soon as possible how you intend to proceed with respect to the points discussed in this letter. This office will be glad to assist you in this endeavor.

Sincerely,

Steve Lester, Acting for

David R. Tuthill, Jr., P. E.
Manager, Western Region Office

c: Hank Bernsten, Watermaster
Jeff and Teresa Dooms, Waterusers #2B
Steve Lester, IDWR