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WATER RESOURCES  
WESTERN REGION

December 29, 2004

Lori Graves  
Idaho Department of Water Resources  
2735 Airport Way  
Boise, ID 83705

Subject: C. Lloyd Mahaffey Transfer (63-8608)

Dear Lori:

In response to your request, I have briefly researched water delivery from the Settlers Irrigation District and from the Farmers Union Canal. I understand that the Department wants assurance that the proposed transfer of a 10-acre portion of 63-8608 from the Settlers Irrigation District service area into the Farmers Union Ditch Company service area will not result in an enlargement of the water right.

**Settlers Irrigation District.** My understanding is that a typical delivery in Settlers Irrigation District is approximately  $\frac{3}{4}$  miners inches per acre. According to the 2000 Watermaster Report for Water District 63, Settlers Irrigation District diverted 43,243 acre feet from the Boise River to serve approximately 12,322 acres (3.5 acre feet per acre) between April 10 and October 11. Settlers Irrigation District also diverts drainage water to supplement their deliveries. Peak diversion rate was 149 cfs (0.60 miners inches per acre) over 12,322 acres.

**Farmers Union Ditch Company.** According to Ron Schreiner at Farmers Union, Mr. Mahaffey has 1.25 shares representing 13.75 miners inches of water delivery. The Ada County website shows his property as covering 10.5 acres. Therefore, full delivery from Farmers Union is greater than 1 miners inch per acre on the new place of use. According to the 2000 Watermaster Report for Water District 63, Farmers Union diverted 42,724 acre feet from the Boise River to serve approximately 8,372 acres (5.1 acre feet per acre) between April 11 and October 10. Peak diversion rate was 149 cfs (0.89 miners inches per acre over 8,372 acres).

The data above suggest that the average deliveries per acre are greater in the Farmers Union than in the Settlers Irrigation District. As a result, we anticipate that annual supplemental irrigation diversions associated the 10-acre portion of 63-8608 proposed for transfer will be less after the transfer. We can supply diversion estimates (based on power records) for 63-8608 upon request.

Sincerely,

Terry M. Scanlan, P.E.

Cc: Lloyd Mahaffey