

MEMORANDUM

Date: November 8, 2010
To: Water Right File 63-11831
From: CPadilla
Re: Water Bearing Zone

The permitted water bearing zone for permit 63-11831 is 160 to 220 feet. During the development of the well, the well was deepened to 276 feet on 5/16/05 because there was not a viable source of water available at the shallower depths.

On July 25, 2008, the Department received the permit holder's petition through their representative to change the water bearing zone on the permit to 250 to 300 feet.

The requested change in water bearing zone requires analysis for possible injury. In this case there are many wells within a one mile radius of the subject's well. Many of the wells are for domestic use and trying to figure out if those domestic wells be affected by the withdrawal of water from 300 feet instead of 220 feet is very difficult. In this case, I think we have to rely on the public to notify the department if there is a problem with their wells. Since the deepening 5 years ago no public complaints have been filed against this well.

It is inconclusive whether the deepening of permit 63-11831's well would cause injury. However, per the May 3, 1995 Amended Moratorium order for the Boise River Drainage, new applications for consumptive uses of ground water in the area where ground water shallower than 200 feet below ground surface is tributary to the Boise River, the depth interval shall be included in the conditions of approval for each ground water permit, regardless of whether the proposed depth is more or less than 200 feet below ground surface.

I may postulate that because the well is deeper than 200 feet that no injury would occur to other well owners. In addition the Basin 63 Area of Concern, as drawn in ArcMap, is outside the 1 mile radius of the subject well (see attached map).

