

## OGMCOAL - West Ridge: Inspection of flumes on Right Fork

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**From:** Steve Christensen  
**To:** OGMCOAL  
**Date:** 7/11/2011 10:20 AM  
**Subject:** West Ridge: Inspection of flumes on Right Fork

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>>> "darrel leamaster" <darrel@etv.net> 7/5/2011 7:51 AM >>>

Hello Dana:

On Friday July 1,2011, I inspected the flumes and made flow measurements on the Right Fork of Grassy Trail Creek. On both flumes the downstream channels look really good. The channels are cleaned out and there is free fall of the water over the end of the flume. On both of the flumes the upstream channels need to be cleaned out better. We have a lot of turbulence coming into the flumes. They need to clean out the channel and make a pool of still water in front of the flume. This pool doesn't need to be very deep, only about a foot, and about 10 feet upstream of the flume to smooth out the flow.

Also, on the lower flume, the one closest to the reservoir, the stilling well needs to be cleaned out. It has sticks and other debris in it. The pipe from the flume to the stilling well is plugged with small rocks and dirt. I was able to clean it out for about 2 feet, but didn't have anything with me to reach any deeper into the pipe. I think it could be cleaned out with a pump and a garden hose.

I had a staff gauge with me and made the following flow measurement:

Lower flume—Time 14:45---Depth 0.75ft.---Flow 7.49cfs

Upper flume---Time14:55---Depth 0.78ft.---Flow 8.13cfs

4Ft. Flume at POD # 2---Time 14:10---Depth 0.81ft.---Flow 11.47cfs

Note that it was difficult to read the lower flume and the 4ft. flume because of the turbulence. Also note that at the time the water treatment plant was using 600gpm,1.33cfs. By subtracting these values the flow in the left fork would have been about 2.65cfs.

Call me if you have any questions about this.