

Memorandum

To Castle Creek Water District 57C

From: J. Westra

Date: 03/26/14

RE: Field Measurement Inspection Request

On 03/26/14, Nick Van Dyke and I traveled to Castle Creek. We met Mike Ihli, Watermaster at the Fuquay Ditch and county road.

Flow Measurements

Nick took flow measurements on the creek just upstream of the county road—1.9 cfs and on the Fuquay diversion ditch also upstream of the county road—1.2 cfs. The Watermaster had calls for natural creek flow senior to the Fuquay storage right (57-2314) that totaled 3.397 cfs. Thus, the Fuquay storage right diversion needed to be curtailed as there is not enough water to fill the natural flow calls.

The Watermaster stated he had left several messages for Mr. Fuquay to contact him. I volunteered to contact Mr. Fuquay and forward our findings. I would keep the Watermaster informed.

Water Management Issues

-We discussed several water management tools that would aid the Watermaster's work as they volunteer without pay. There definitely needs to be at least a headgate for P/Ds so the watermaster can regulate/balance the creek deliveries on his rounds. Measurement devices could be phased in with time. The Department will work with the waterusers, and issue a mandate only if wateruser efforts are not progressing. The annual meeting is the forum to work on tightening up regulation.

The Watermaster felt each wateruser needed a copy of the creek water rights, so they understand their priority standing and start date—varies from 3/1 to 4/1 in this basin. I agreed to provide the information prior to the next water district meeting.

Follow-up 03/27/14

I contacted Mr. Fuquay by telephone and discussed our findings. He stated, he would shut the diversion off today.

John Fuquay 880-2518

Mike Ihli, Watermaster ~~880-2518~~

*updated → 867-5736 (cell)
for IDWR + public
-SL*

Photographs

Castle Creek Measurement

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Photo #1: Creek channel just upstream of the county road bridge.
There appears to be little additional flow since the start of spring runoff
from bank markings. Snow Pack 51% of normal on 03/24.



Photo #2: Measurement of creek flow just upstream from the county road bridge. Flow 1.9 cfs.



Fuquay ditch, flow 1.2 cfs