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**Sent:** Tuesday, June 23, 2020 1:38 PM  
**To:** Arun Mr  
**Subject:** Pressure at Uintah River High School

URHS

*Static Pressure:* 98 psi

*Residual Pressure:* 80 psi (Summer) - 88 psi (Fall, Winter, Spring)

*Flow Test Results Summary (performed test in the Winter/Early Spring months 2019):* We opened up a nearby hydrant just at the top of the hill across from the Tribal Admin Building and measured pressure drops on an upstream and downstream hydrant. The downstream hydrant was the one just outside the high school a little ways up the hill on the south along the main road to the Tribal Administration Building. And the upstream hydrant was across from the IHS Clinic. With the hydrant fully open, we were able to obtain a maximum flow rate of 640 gpm with drops in pressure equaling 60 psi at the upper hydrant, and 71 psi at the lower hydrant (near URHS). We didn't measure the effects further upstream, but I imagine so long as the brown Bottle Hollow storage tank is full, the 640 gallons per minute would not have a big impact on the entire system as a whole until that tank was completely drained and unable to supplement the demand

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