

## TEP BWQ Surface Water Monitoring Field Form

Project Information			
Project:	RU 11-7 BWQ	Sample Purpose:	Form 15 Annual
Site Name (Well Pad):	RU 11-7	Site API:	045-04818
Station Name:	Savage Beaver Creek 2	Sample Date:	11-28-18
COGCC Facility ID:	753974 753174	Start Time:	0930
Field Sample ID:	Beaver Cr 2	End Time:	1000
Landowner Name:	Jan Savage	Sample Time:	945
Landowner Address:	PO Box 1926, Rifle, CO	Sample Team:	NWS, SLG
Water Right/Well Owner:	NA	Observer:	NWS
Water Right/Well Permit:	NA	Lead Signature/Date:	J. Good 12-3-18

Station Information			
Station Description: inoak riffle section ~100' from Beaver Cr Road			
Approximate Distance to Well Pad: 5340'			
Station Type: Stream / Spring / Seep / Pond / Lake / NPDES Outfall / Other:			
Sampling Location: Bank / Pipe / Wading / Boat / Bridge / Hose bib / Tank / Other:			
Sampling Location Description: Pool / Riffle / Eddy / Backwater / Open / Channel / Braided / Other:			
Sampling Location Width: 7'		Sampling Location Depth: 8"	
GPS Location:	Zone	x -107.83228	y 39.47212 z 62416

Weather Conditions	
Sky: Clear / Scattered / Cloudy / <u>Overcast</u>	Estimated Air Temp (deg F): 30
Precipitation: <u>None</u> / Light / Moderate / Heavy	Precip Type: <u>None</u> / Rain / Sleet / Hail / Snow
Wind: Calm / <u>Light</u> / Mod / Strong	Wind Speed/Direction: 0

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	0.03	955		YSI 556	In-situ	
pH	s.u.	4.61		Q			
Sp. Conductivity	uS/cm	349					
Conductivity	uS/cm	183					
DO Saturation	%	84.8					
DO	mg/L	12.36					
Baro Press	mmHg	592.1					
ORP	RmV	174.2					
Turbidity	NTU	2.16		AV	micro		2.97, 1.67, 1.84
Discharge		NM					
H <sub>2</sub> S	Mg/L	0.0			Colorimeter		0.0, 0.0
Color: <u>Clear</u> / White / Yellow / Brown / Green / Blue / Other <u>Light</u> / Med / Dark							
Odor: <u>None</u> / Mild / Mod / Strong							
Effervescence: <u>None</u> / Mild / Mod / Strong				Bubbles: <u>None</u> / Low / Mod / High			
Sediment: <u>None</u> / Light / Mod / Heavy				VOA Headspace: <u>None</u> / ≤ Pea Size / ≥ Pea Size			
Lab Analysis: Rule 609 / COA 9 / COA 22 / <u>Other</u>							
Field Filtered: Yes / <u>No</u>		Filter Size: NA		No. Filters used: NA			

Flag Codes: NM (not measured), E (estimated), N/A (not applicable), I (insufficient sample), Q (uncertain value), Y (calculated value), AV (averaged value), EC (exceeds calibration range), OT (other flag to be defined later), NS (not stabilized), VAR (variable)

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Landowner Comments on water quality:

None

Additional information:

Creek is mostly frozen ~~over~~ over. Discharge could not be measured.

NO TEP representatives or landowners present for sampling.

Calibration Information			Date: 11-28-18			Location: WWL		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
YS1556	pH	s.u.	736	7.00	20.98	6.99	7.00	
	pH	s.u.	740	10.05	20.89	10.06	10.01	
	pH	s.u.	743	4.01	20.93	3.98	4.01	
	SpC	uS/cm	732	1413	21.00	1436	1413	
	SpC	uS/cm						
	DO	%		754	637.9mMtg	20.38	83.6	84.0
	DO	%						
	ORP	RmV						
MicroTPI	Turbidity	NTU						