

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:	045-06818
Station Name:	SAVAGE BEAVER CREEK 2	Sample Date:	11/8/17
COGCC Facility ID:	753974	Start Time:	1030
Field Sample ID:	BEAVER CR 2	End Time:	1200 1200
Landowner Name:	JOAN SAVAGE	Sample Time:	1050
Landowner Address:	PO BOX 1926, RIFLE, CO	Sample Team:	NWS, JNP
Water Right/Well Owner:	N/A	Observer:	JNP
Water Right/Well Permit:	N/A	Lead Signature/Date:	11-28-17

Station Information			
Station Description: WEAK RIFFLE SECTION ~ 100 FT FROM BEAVER CREEK RD			
Approximate Distance to Well Pad: 5,340'			
Station Type: <u>Stream</u> / Spring / Seep / Pond / Lake / NPDES Outfall / Other:			
Sampling Location: Bank / Pipe / <u>Wading</u> / Boat / Bridge / Hose bib / Tank / Other:			
Sampling Location Description: Pool / <u>Riffle</u> / Eddy / Backwater / Open / Channel / Braided / Other:			
Sampling Location Width: ~7.5'		Sampling Location Depth: ~0.5'	
GPS Location:	Zone	x -107.83228	y 39.47212 z 6416'

Weather Conditions	
Sky: <u>Clear</u> / Scattered / Cloudy / Overcast	Estimated Air Temp (deg F): 54
Precipitation: <u>None</u> / Light / Moderate / Heavy	Precip Type: <u>None</u> / Rain / Sleet / Hail / Snow
Wind: <u>Calm</u> / Light / Mod / Strong	Wind Speed/Direction: <u>NM</u>

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	0.59	1101		YSI 556	In-situ	
pH	s.u.	7.08	1152				Long time to stabilize
Sp. Conductivity	uS/cm	333	1101				
Conductivity	uS/cm	178	1101				
DO Saturation	%	83.3	1101				
DO	mg/L	11.98	1101				
Baro Press	mmHg	600.4	1101				
ORP	RmV	219.8	1152				Long time to stabilize
Turbidity	NTU	1.91	1111	AV	MicroTRU		1.62, 1.53, 1.37
* Discharge	<u>CFS</u>	0.20	1145	1	Marsh M. B. by In-Situ		
H ₂ S	mg/L	0.00	1125		Colacimeter Cont		
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 / <u>COA 9</u> / COA 22 / Other <u>AND COLIFORM</u>							
Field Filtered: Yes / <u>No</u> Filter Size: <u>N/A</u> No. Filters used: <u>0</u>							

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:

NO TEP REPRESENTATIVES OR LAND OWNERS PRESENT FOR SAMPLING

Calibration Information			Date: <u>11-8-17</u>			Location: <u>WWL OFFICE</u>		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
YSI 556	pH	s.u.	735	7.00	21.95	7.08	7.00	
	pH	s.u.	739	4.01	21.97	3.96	4.11	
	pH	s.u.	743	10.01	21.97	9.87	9.99	
	SpC	uS/cm	729	1413	21.92	1488	1413	
	SpC	uS/cm						
	DO	%	758	646.3 mg/L	21.85	84.2	85.0	
	DO	%						
	ORP	RmV						
Micro TPW	Turbidity	NTU	749					

