

TEP BWQ Surface Water Monitoring Field Form

Project Information			
Project:	TEP BWQ	Sample Purpose:	2nd Subsequent COGFA
Site Name (Well Pad):	GV 841	Site API:	155-045-20881
Station Name:	Federal Bedding Spring	Sample Date:	2-12-19
COGCC Facility ID:	753083	Start Time:	1345
Field Sample ID:	Bedding Spg	End Time:	1415
Landowner Name:	BUM	Sample Time:	1400
Landowner Address:	2300 River Frontage Rd, Silt	Sample Team:	SLB, NWS
Water Right/Well Owner:	BUM	Observer:	# NWS
Water Right/Well Permit:	Bedding Spring	Lead Signature/Date:	J. Wood 2-13-19

Station Information			
Station Description:	Spring uphill from Federal W-37-1 pad.		
Approximate Distance to Well Pad:	~1800 ft		
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:	2.5 ft	Sampling Location Depth:	2"
GPS Location:	Zone	x -107.95202	y 39.47070 z 5041

Weather Conditions			
Sky:	Clear / Scattered / Cloudy / Overcast	Estimated Air Temp (deg F):	40
Precipitation:	None / Light / Moderate / Heavy	Precip Type:	None / Rain / Sleet / Hail / Snow
Wind:	Calm / Light / Mod / Strong	Wind Speed/Direction:	Q

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	2.74	1405		VSI 556	IN-SITU	
pH	s.u.	5.84↑	↓		↓	↓	
Sp. Conductivity	uS/cm	650					
Conductivity	uS/cm	374					
DO Saturation	%	85.3					
DO	mg/L	11.52					
Baro Press	mmHg	619.8					
ORP	RmV	292.6					
Turbidity	NTU	4.83		AV	Micro		5.87, 4.27, 4.36
Discharge	GPM	10-15		E			
Color:	Clear / White / Yellow / Brown / Green / Blue / Other			Light / Med / Dark			
Odor:	None / Mild / Mod / Strong						
Effervescence:	None / Mild / Mod / Strong			Bubbles: None / Low / Mod / High			
Sediment:	None / Light / Mod / Heavy			VOA Headspace: None / ≤ Pea Size / ≥ Pea Size			
Lab Analysis:	Rule 609 / COA 9 / COA 22 / Other						
Field Filtered:	Yes / No	Filter Size:	N/A	No. Filters used:	0		

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:

N/A

Additional information:

Did not attempt a discharge measurement.

Several inches of snow on banks but no ice on the running water.

No TEP representatives were present for sampling.

Mr. Hoaglund followed us onto the Federal W-37-1 Pad to inquire of our presence & left shortly after.

Calibration info on Cottonwood Spg 1

Calibration Information			Date:			Location:		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
	pH	s.u.						
	pH	s.u.						
	pH	s.u.						
	SpC	uS/cm						
	SpC	uS/cm						
	DO	%						
	DO	%						
	ORP	RmV						
	Turbidity	NTU						