

# WATER QUALITY VOLUNTEER COALITION

(Short Form)

*Once complete, please print this page out and turn it in to the WQVC cabinet*

## WATER MONITORING SITE PHYSICAL & CHEMICAL DATA PAGE-1

*Revised November 2023*

<b>SITE ID #</b>	
<b>SITE NAME</b>	
<b>DATE</b>	<b>TIME</b>
RECORDER	MONITOR/#
MONITOR/#	MONITOR/#
MONITOR/#	MONITOR/#
MONITOR/#	MONITOR/#

<b>PRECIPITATION</b>	
<i>choose one</i>	<i>choose one</i>
<b>CURRENT</b>	<b>PAST 24 HR</b>
Storm	Storm
Rain (continuous)	Rain (continuous)
Shower (intermittent)	Showers (intermittent)
Overcast	Overcast
Clear	Clear

<b>WATER APPEARANCE</b>	
<i>choose at least one by check mark</i>	
Clear	Foamy
Orange/red	Milky/white
Dark brown	Muddy/cloudy
Green	Multi-colored
Other (describe below):	

<b>WATER ODORS</b>	
<i>choose at least one by check mark</i>	
Chlorine	Fishy
Sulfur	Sewage
Musty	Earthy
Manure	Spicy
Other (describe below):	
No unusual smells	
Non-wadable stream	

<b>SEDIMENT DEPOSITS</b>			
<i>choose at least one by check mark</i>			
Sludge	Gravel	Paper	Fiber
Silt	Mud	Sand	
Other (describe below):			
No unusual sediments			

<b>STREAM TYPE</b>	
<i>choose at least one by check mark</i>	
Straight	Channelized
Meandering/curved	Pool/Riffle
Any other dams present?	Yes
	No
Level of high water above the present stream level (meters) _____ m	
Is this an estimate?	Yes
	No

<b>STREAM BANK</b>	
X-Section Shape	Erosion
V-Shape	No sign of erosion
U-Shape	Occasional areas of erosion
Rectangular	Extensive erosion
Banks undercut	Rock/concrete stabl. present

<b>STREAM BOTTOM</b>			
<i>At least one entry</i>			
<b>INORGANIC + ORGANIC MUST = 100%</b>			
INORGANIC	%	ORGANIC	%
Bedrock (solid)		Muck-mud	
Boulder >25 cm		Pulpy peat	
Cobble 6.25 - 25 cm		Fibrous peat	
Gravel 0.25 - 6.25 cm		Detritus	
Sand up to 0.25 cm		Logs, limbs	
Silt soft fine sand		Marl (gray, shell frag)	
Clay sticky fine sand		Other:	
Other:		Non-wadable stream	
(Internal use) Flow Factor: 0.8 or 0.9 <b>TOTAL = 100%</b>			

**Observations/Notes:**



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## WATER MONITORING SITE PHYSICAL & CHEMICAL DATA PAGE-2

PREDOMINANT SURROUNDING LAND USE			
<i>Estimated by percentage</i>			
<i>At least one entry required</i>			
	%		%
Wetlands		Commercial	
Forest		Industrial	
Cropland		Unused/abandoned	
Pasture		Shrubs/small trees	
Residential		Other:	
<b>No change in land use</b> from previous sampling			
<b>TOTAL = 100%</b>			

AVERAGE TEMPERATURE	
<b>Air</b>	( _____ °F + _____ °F ) / 2 = _____ °F ( _____ °C + _____ °C ) / 2 = _____ °C
<b>Water</b>	( _____ °F + _____ °F ) / 2 = _____ °F ( _____ °C + _____ °C ) / 2 = _____ °C

AVERAGE STREAM DEPTH	
<i>Conversion:</i> _____ ft * 0.3048 = _____ meters	
<b>Average (m):</b>	
<b>Non-Wadable</b>	

AVERAGE STREAM WIDTH	
<i>Conversion:</i> _____ ft * 0.3048 = _____ meters	
<b>Average (m):</b>	
<b>Non-Wadable</b>	

AVERAGE STREAM VELOCITY	
<i>Velocity (m/s) = distance (m) / average time (s)</i>	
<b>Velocity (m/s):</b>	

STREAM FLOW VOLUME	
<i>Flow Volume = width (m) * depth (m) * velocity (m/s)</i>	
<b>Flow Meter ID</b> (if applicable)	
<b>Flow Volume (m<sup>3</sup>/s)</b>	
<b>Non-wadable stream</b>	

CHEMICAL DATA			
<i>Readings deemed unusual for the site should be questioned</i>			
<b>Every 6 visits, perform a duplicate for quality assurance</b>			
Parameter	*Water Quality Guidelines*	Original Reading	Duplicate Reading
pH <sup>1</sup> (pH Units)	6.0 – 9.0		
Dissolved Oxygen <sup>1</sup> (mg/l)	≥ 6.0 mg/l		
Specific Conductivity <sup>2</sup> (µS/cm)	50 – 1,500 µS/cm		
Nitrates <sup>1</sup> (ppm = mg/l)	≤ 10 mg/l as Nitrogen		
Phosphates (ppm)	-		
Salinity <sup>3</sup> (ppt)	≤ 1 ppt		
Total Alkalinity <sup>1</sup> (mg/l)	≥ 20 mg/l		
TDS <sup>1</sup> (mg/l)	≤ 750 mg/l		
Turbidity (FAU=NTU)	-		
Calibration Data	Specific Conductivity	pH	
Calibration Std.		4.01	7.01
Std. Solution Readback (Check)			

*\*Water Quality Guidelines derived from PA Code 25, Chapter 93<sup>1</sup>, US EPA<sup>2</sup>, and USGS<sup>3</sup>. These values help indicate the health of a stream and should only be used as a reference. They do not indicate the range of the instrument\**

**Reagent Lot Numbers/Exp Date:**



- Nitrate:
- Phosphate:
- Bromocresol Green:

**Equipment**

- pH Probe ID:
- Colorimeter #:

**Observations/Notes:**

For questions or concerns, contact  
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