

2015 TMDL Water Quality Parameter Suites: <i>Take WQ Sonde readings at every site!!</i>											Single Parameter	
COC Column	Preservation Code	Parameter	Random/PRS	TMDL-Comprehensive	TMDL-Fecal	TMDL-AMD*	TMDL-Acid Rain**	TMDL-Sediment	TMDL-Nutrient	TMDL-TDS Ions	SE	MN
			PRS	COMP	FECAL	AMD	ACID RAIN	SED	NUTRIENT	ION	SE	MN
1	3	Hot Acidity	Yes	Yes		Yes						
1	3	Alkalinity	Yes	Yes		Yes	Yes		Yes	Yes		
1	3	Sulfate	Yes	Yes		Tot. (Quarterly)				Yes		
1	2	Chloride	Yes	Yes		Tot. (Quarterly)				Yes		
1	6	Fecal coli.	Yes	Yes	Yes							
1	2	Bromide	Yes	Yes						Yes		
1	3	Cold Acidity	Yes				Yes					
2	3	TDS	Yes	Yes		Yes				Yes		
2	3	TSS	Yes	Yes		Yes		Yes	Yes	Yes		
2	4	Total Phos	Yes	Tot. & (Dis. Quarterly)					Tot. & Dis.?			
2	4	TKN	Yes	Yes					Yes			
2	4	NO ₂ -NO ₃ -N	Yes	Yes					Yes			
2	4	Ammonia-N (NH ₃)	#	#		#			##	#		
2	3/7	Orthophosphate (PO ₄ -P)		Total Quarterly					Total			
3	5	Al	Tot. & Dis.	Tot. & Dis.		Tot. & Dis.	Dis.					
3	5	Fe	Tot. & Dis.	Tot. & Dis.		Tot. & Dis.		Tot. & Dis.				
3	5	Mn	Tot.	Tot.								
3	5	Se	Tot.	Tot.								
3	5	Cu	Dis. (Low Level)									
3	5	Zn	Dis. (Low Level)									
3	5	Mg	Tot.	Tot.		Tot.	Tot.		Tot.	Tot.		
3	5	Ca	Tot.	Tot.		Tot.	Tot.		Tot.	Tot.		
3	5	K	Tot.	Tot.		Tot. (Quarterly)				Tot.		
3	5	Na	Tot.	Tot.		Tot. (Quarterly)				Tot.		
3	5	Be	Tot.									
3	5	Ba	Tot.									
Write-in	5	Sr	Tot.									
Frequency of Sampling			Quarterly	Monthly	Monthly	Monthly	Monthly	Monthly	Quarterly	Monthly	Site Specific	
# of Containers			1 Fecal & 4 Cubies	1 Fecal & 4-6 Cubies	1 Fecal	3-4 Cubies	3 Cubies	3 Cubies	3-4 Cubies	2-3 Cubies	1 Cubie	

* **AMD:** Also take when: 1) conductivity alone is > 500, 2) pH <6.0 & conductivity is >200, 3) if stream is on the 303(d) list for AMD, or 4) if for any reason you suspect mine drainage.

Ammonia-N (NH₃) if it is suspected that Ammonia is being used to treat the stream water.

** **Acid Rain:** Also take when: 1) pH <6.0 & conductivity is <50, 2) if stream is on the 303(d) list for pH unrelated to mining, or 2) if for any reason you suspect acid rain deposition impacting the stream

Take Ammonia-N (NH₃) if cattle or other livestock have direct access to stream or if there is evidence of possible ammonia