Minnesota WQS Applicable to the St. Louis River

Minn. R. ch. 7050.0470

(192) St. Louis River, [WR] (T.58, R.12, S.21, 22, 27, 28, 31, 32, 33; T.58, R.13, S.36): **2B, 3B**;

Since not specifically listed the default designation found in 7050.0430 also apply, namely, **4A, 4B, 5 and 6**.

Other downstream waters from the NorthMet site include a Class 2A (cold water trout stream) tributary to the Partridge River and Class 2Bd (Colby Lake).

I didn't recheck this but the WR location listed by township/section/range is the mouth of the river near the city of Cloquet which is just past the FdL reservation.

Standards Applicable to the St. Louis River (only criteria of interest shown)

Criterion	Aquatic Life/ Recreation	Industrial	Agriculture (incl WR) + Wildlife		Aesthetics + Navigation	Other uses
	2B	**3B**	**4A**	**4B**	**5**	**6**
Narrative	Yes	Yes	Yes	Yes	Yes	Narrative only
pH min/max	6.5/9.0	6.0/9.0	6.0/8.5	6.0/9.0	6.0/9.0	
Hydrogen sulfide as S					0.02 mg/L (maintain background)	
Chlorides	230 mg/L	100 mg/L				
Hardness		250 mg/L				
Specific Conductance			1000 uohms/cm			
TDS			700 mg/L			
Sulfates[WR]			10 mg/L			
Total Salinity				1000 mg/L		
Mercury (T)	6.9 ug/L					
Mercury (GLI Wildlife)	1.3 ng/L					
Mercury (GLI HH)	1.53 ng/L					
Methylmercury (HH fish tissue)	0.2 mg/kg					
TSS	15 mg/L[1] 30 mg/L[2]					

[1] For North River Nutrient Region
[2] For Central River Nutrient Region

Criterion	Aquatic Life/ Recreation	Industrial	Agriculture (incl WR) + Wildlife		Aesthetics + Navigation	Other uses
	2B	**3B**	**4A**	**4B**	**5**	**6**
Aluminum (T)	125 ug/L					
Arsenic (T)	53 ug/L[3]					
Lead (T)	3.2 ug/L[4]					

[3] The applicable criterion for Colby Lake (drinking water use or Class 2Bd) is 2 ug/L.
[4] For total hardness of 100 mg/L