

**Barr 2008o - Table 10 Correction**

**Co-lead Agencies Note:** This table is based on Table 10 of the Long Range Hydrology Study prepared for Northshore Mining Company (Barr, 2008). Table 10 in the original report (Published November 2008) contained errors within the columns presenting XP-SWMM results. For SDEIS reference purposes, this version of Table 10 includes the corrected XP-SWMM results based on the 2008 modeling (i.e., the percent change columns are unchanged from the 2008 report).

**Also note** that values presented in Table 10 are from the Partridge River XP-SWMM model run in 2008. The XP-SWMM model has been updated several times prior to generating the hydrologic impact estimates that are presented in the PolyMet Supplemental Draft EIS.

**Table 10. Estimated post-closure streamflows along the Partridge River based on XP-SWMM model**

Flow Statistic	Units	XP-SWMM Model Post-closure Flows			Percent Change from Current Conditions		
		At Dunka Road Crossing	Upstream of South Branch	Downstream of South Branch	At Dunka Road Crossing	Upstream of South Branch	Downstream of South Branch
Drainage Area	sq. miles	8.0	19.3	37.2	-46.5%	-26.4%	-15.7%
Avg. Annual Flow	cfs	7.9	15.28	42.4	-38.0%	-23.6%	-10.0%
Avg. January Flow	cfs	0.5	1.04	3.2	-50.9%	-35.9%	-15.3%
Avg. February Flow	cfs	0.6	1.22	3.4	-22.2%	-12.5%	-4.9%
Avg. March Flow	cfs	1.6	2.86	7.8	-24.0%	-13.3%	-5.2%
Avg. April Flow	cfs	20.6	40.79	115.4	-40.0%	-24.5%	-10.3%
Avg. May Flow	cfs	16.3	32.97	93.2	-51.4%	-35.0%	-16.1%
Avg. June Flow	cfs	9.9	18.42	49.5	-33.1%	-20.1%	-8.5%
Avg. July Flow	cfs	7.2	13.8	36.2	-30.2%	-18.4	-7.9%
Avg. September Flow	cfs	10.3	19.67	52.1	-31.0%	-18.6%	-7.9%
Avg. October Flow	cfs	11.1	21.63	60.0	-39.2%	-24.5%	-10.5%
Avg. November Flow	cfs	5.1	10.69	30.6	-45.3%	-28.7%	-12.4%

**Table 10. Estimated post-closure streamflows along the Partridge River based on XP-SWMM model (cont.)**

Flow Statistic	Units	XP-SWMM Model Post-closure Flows			Percent Change from Current Conditions		
		At Dunka Road Crossing	Upstream of South Branch	Downstream of South Branch	At Dunka Road Crossing	Upstream of South Branch	Downstream of South Branch
Avg. December Flow	cfs	1.4.	2.98	9.3	-59.4%	-41.4%	-18.5%
Avg. Annual 1-day Max Flow	cfs	141.2	245.90	740	-17.4%	-7.6%	-2.2%
Avg. Annual 7-day Low Flow	cfs	0.10	0.16	0.40	-3.2%	-4.4%	-1.1%
Avg. Annual 30-day Low Flow	cfs	0.16	0.27	0.73	-22.7%	-17.0%	-9.6%

**Note:** the XP-SWMM model results presented above are from the Partridge River XP-SWMM model run in 2008. This model has been modified several times prior to generating the hydrologic impact estimates that are presented in the PolyMet Supplemental Draft EIS