Table 5.2.3-4 Wetlands Within Analog Impact Zones Resulting from Potential Changes in Hydrology

Likelihood of Wetland Hydrology Effect

	Wetland Area (acres) within each Analog Increment				
Based on Wetland Type for Each Analog Distance	**0-1,000 ft**	**1,000-2,000 ft**	**2,000-3,500 ft**	**3,500-10,000 ft**	**Eggers and Reed Wetland Community**
0 – 1,000 ft					
High Likelihood	46.4	-	-	-	Coniferous swamp, sedge meadow, and alder thicket
Moderate Likelihood	8.3	-	-	-	Deep marsh and shallow marsh
Low Likelihood	178.8	-	-	-	Minerotrophic and ombrotrophic coniferous bog
No Effect	-	-	-	-	No wetland types
1,000 – 2,000 ft					
Moderate Likelihood	-	110.8	-	-	Coniferous swamp, hardwood swamp, shrub-carr, and alder thicket
Low Likelihood	-	4.1	-	-	Shallow marsh
No Effect	-	196.1	-	-	Minerotrophic and ombrotrophic coniferous bog and open bog
2,000 – 3,500 ft					
Low Likelihood	-	-	385.0	-	Coniferous swamp, hardwood swamp, sedge/wet meadow, shrub-carr, and alder thicket
No Effect	-	-	333.0	-	Shallow marsh and minerotrophic and ombrotrophic coniferous bog and open bog
3,500 – 10,000 ft					
No Effect	-	-	-	4,564.4	All wetland types
Total Acres of Wetland	**233.5**	**311.0**	**718.0**	**4,564.4**	

Source: PolyMet 2015b.

Table 5.2.3-3 Wetlands Crossing Analog Impact Zones Resulting from Potential Changes in Hydrology

Likelihood of Wetland Hydrology Effect

	Wetland Area (acres) within each Analog Increment				
Based on Wetland Type for Each Analog Distance	**0-1,000 ft**	**1,000-2,000 ft**	**2,000-3,500 ft**	**3,500-10,000 ft**	**Eggers and Reed Wetland Community**
0 – 1,000 ft					
High Likelihood	866.9	-	-	-	Coniferous swamp, sedge meadow, and alder thicket
Moderate Likelihood	8.3	-	-	-	Deep marsh and shallow marsh
Low Likelihood	452.8	-	-	-	Minerotrophic and ombrotrophic coniferous bog
No Effect	-	-	-	-	No wetland types
1,000 – 2,000 ft					
Moderate Likelihood	-	522.4	-	-	Coniferous swamp, hardwood swamp, shrub-carr, and alder thicket
Low Likelihood	-	4.1	-	-	Shallow marsh
No Effect	-	92.1	-	-	Minerotrophic and ombrotrophic coniferous bog and open bog
2,000 – 3,500 ft					
Low Likelihood	-	-	293.1	-	Coniferous swamp, hardwood swamp, sedge/wet meadow, shrub-carr, and alder thicket
No Effect	-	-	868.9	-	Minerotrophic and ombrotrophic coniferous bog and open bog and shallow marsh
3,500 – 10,000 ft					
No Effect	-	-	-	2,718.3	All wetland types
Total Acres of Wetland	**1,328.0**	**618.6**	**1,162.0**	**2,718.3**	

Source: PolyMet 2015b