

1 include Sample 2, 3, 4 and 5. Sample 1 had no flow at the time of sampling and the nephelometric turbidity unit (NTU) was 57. The highest NTU was 77 at Sample location 3.

Four perimeter sample locations were identified, Samples 9, 10, 11 and 12, to monitor upstream flow from the wetland. Samples 9 and 10 were in the flow path. Samples 11 and 12 were south of the flow pattern.

Water samples were taken at the Sample 1 location in the PM on January 31 and on February 1, though there was no flow. The location dried so no additional samples were taken. Sample locations 2, 3, 4, 5 were not sampled after the initial sample as the majority of the water had soaked into the ground and there was either no water or very little ponded water.

Samples continued to be taken two times per day from January 31, 2024 – February 4, 2024 at the perimeter locations; Sample 9 and 10. One sample was taken February 5, 2024.

Area 2

The water that flowed over the topsoil returned area exited the site within a fire break that borders the wetland. Three samples were taken at this point (Samples 6, 7 and 8). No additional samples were taken as the water was evaporating and soaking into the ground.

Table 1: Sampling Data (NTU)

Sample Location		Area 1					Area 2			Perimeter			
		1	2	3	4	5	6	7	8	9	10	11	12
	1/31/2024 AM	57.1	22.6	76.9	25.6	53.3	46.2	70.0	31.7	7.5	8.0	4.7	5.8
	1/31/2024 PM	52.7	NS	NS	NS	NS	NS	NS	NS	5.7	5.8	NS	NS
	2/1/2024 AM	55.7	NS	NS	NS	NS	NS	NS	NS	7.6	7.6	NS	NS
	2/1/2024 PM	Dry	NS	NS	NS	NS	NS	NS	NS	7.6	13.4	NS	NS
	2/2/2024 AM	Dry	NS	NS	NS	NS	NS	NS	NS	5.8	15.0	NS	NS
	2/2/2024 PM	Dry	NS	NS	NS	NS	NS	NS	NS	7.3	14.5	NS	NS
	2/3/2024 AM	Dry	NS	NS	NS	NS	NS	NS	NS	6.4	11.8	NS	NS
	2/3/2024 PM	Dry	NS	NS	NS	NS	NS	NS	NS	5.4	7.6	NS	NS
	2/4/2024 AM	RW	NS	NS	NS	NS	NS	NS	NS	5.7	6.2	NS	NS
	2/4/2023 PM	RW	NS	NS	NS	NS	NS	NS	NS	6.1	7.0	NS	NS
	2/5/2024 AM	RW	NS	NS	NS	NS	NS	NS	NS	7.2	6.5	NS	NS
NS	No Sample												
RW	Rainwater												

Summary

A release of water from the active mining area over a reclamation cell occurred on January 31, 2024. The volume of release was estimated at approximately 194,195 gallons. The highest turbidity reading was 77 NTU within the Area 1 location immediately after the release. There was little to no flow in Area 1 subsequent to the initial event, so samples were not taken at locations 2, 3, 4 and 5. Water flow over the topsoiled area (Area 2) water exited within a fire break adjacent to a wetland. Sampling was conducted immediately after the event with the highest reading about 60 feet from the topsoiled area,