- Supervision and Environmental notified
- Rain pump in cell started to reduce water levels
- Environmental Assessment of release area
- Silt fence repair

Refer to Exhibit A which provides a graphic of the area where water was released and the sampling locations. Additionally Exhibit B provides photo representation of the reclamation cell, Area 1 and Area 2 sampling locations, and perimeter sampling locations.

Estimate of volume of water released

Upon the Department's request for volume released, a worst case scenario was provided to the Department on February 1, 2024. This estimate was based on pipe flow calculations over time. The operational area was inspected at 3:00 am indicated no issues and from the 6:20 am discovery of the water release from the site. Calculation:

Average Flow:	4,182	gpm
Total Minutes:	200	min
Total Volume:	**836,323**	**gal**

As discussed in our February 1 email, additional survey data was being conducted as some water was retained onsite within the northwest corner berm (Exhibit B).

- Total tailing pipe volume during event = **836,323 gal**
- Total volume contained within mine boundary = **642,128 gal**
- Total volume released = **194,195 gal**

Environmental Review

Water went offsite in two (2) areas; referred to as Area 1 (northwest corner of reclamation cell) and Area 2 (topsoiled portion of reclamation cell).

Area 1

Area 1 is located along the northern and portion of the western boundary of the reclamation cell. This is a mixed forested wetland system. There was little to no flow within the area around the reclamation cell at the time of review. Water had accumulated within and around the hummocks in the wetland. Water depths were approximately 3-6 inches throughout the area reviewed. Observations within the wetland showed some areas of "cloudy" water and areas of clear water.

Water samples taken on the morning of January 31, were at the point of entry and within the surrounding area (Sample Location Map) between 8:30 am and 11:00 am. Samples taken in Area