

INTERNAL MEMORANDUM

Date: 29 April 2013
To: Jared L. Ebert, Lead Specialist
From: Marcia L. Talvitie, P.E.
Subject: **Trapper Mine (C-1981-010)**
Review of March 2013 Semi-Annual Geotechnical Monitoring Report

At your request, I have reviewed the Semi-Annual Geotechnical Monitoring Report (GMR) from Trapper Mining, Inc., dated March 30, 2013. This report covers the period of time between September 27, 2012 and March 27, 2013.

Just two monitoring stations remain in service: Stations 7 and 8. Due to technical issues and physical damage, inclinometer and piezometer data can no longer be collected at Station 7. GPS data from this site does not show that any significant movement has occurred during the previous six months.

As noted in Trapper's GMR cover letter, Station 8 is reporting movement along the southern edge of the pit - inclinometer and GPS data began to shift around February 1st, the piezometer stopped functioning, and tension cracks have been observed on the ground. Trapper appears to have taken appropriate action based on these observations, and has hired a consultant to evaluate the situation.

I have no comments regarding this GMR, other than to say that the monitoring system is fulfilling its intended purpose: alerting the mine to any changes that may be occurring.

Please feel free to contact me with any additional questions you may have.

cc: Sandy Brown, DRMS