

Red and Bonita Mine Site – Photos 2015

Mucking Operation Water Treatment

Ongoing operations to manage the 500 gpm flow while the underground is mucked out to the bulkhead area at approximately 300 feet. The mine crew had mucked about 80 feet as of July 23, so we're about on schedule and hope to increase the rate of production now that we have the treatment system tuned.



Retention/settling pond below waste dump – receiving mine water during underground operations July 21, 2015



Pond preparation – expanded first cell and raising berms for increased storage



Headgates and pipe to pond



Pond lined with geo-textile fabric and filter bag system set up to west



Sodium hydroxide addition upstream and flocculent addition below – pH raised from @ 3 su to 7 su



Mine water redirected to the settling pond during operations underground and treatment



Discharge from pond after settling without filtering – lower turbidity than pre-work



Mine water treatment and water clarification through the cells of the pond – July 23, 2015