



Goffs Quarry CLC Meeting #8

Annual Environmental Monitoring Report Summary





Site work and Blasting

- There were 4 blasting events in 2018
- A total of 130,000 tonnes was blasted and crushed
- No issues with blasting or crushing reported
- Crushed stone is stock piled on site for use in 2019.
- Asphalt Plant was set up on site.
- Work commenced on Resource Road upgrade and realignment.





Groundwater

- Groundwater levels were monitored weekly March-November and monthly December-February. No change from baseline. Slight seasonal variations.
- Groundwater quality samples were consistent with baseline quality.





Surface Water - Streams

- Surface water flows were measured monthly and water quality samples were collected quarterly.
- Both were consistent with baseline flow and quality with the exception of Nitrite.
- Nitrite was identified in both upstream and downstream locations and not related to quarry activity.





Discharge Monitoring

- Surface water discharge samples were collected while discharge was occurring.
- Results show the filter bag was effective in reducing TSS and metal concentrations.
- Results from discharge sampling met guidelines for TSS and pH.
- Copper and Iron meet stream baseline. Aluminum remains above baseline. Nitrate in one sampling event above CCME FWAL.





Wetlands



- Wetland water levels were monitored quarterly.
- Annual wetland assessment was conducted in the 3 wetlands.
- No changes to the wetland's shape, or overall functionality resulted from quarry activity.



Acid Generating Potential

- Samples of blasted rock were collected and analyzed in the lab for acid generating potential.
- The lab results showed no concerns for acid generating slate.





Annual Report Conclusion

- Sampling consistent with baseline.
- No adverse environmental impacts.
- Monitoring will continue into 2019.

