OGMCOAL DNR < ogmcoal@utah.gov>

Monitoring Report South Fork of Quitchupah

1 message

Vicky Miller < vmiller@bowieresources.com> Mon, Jan 27, 2014 at 2:42 PM
To: "Steve Christensen (stevechristensen@utah.gov)" <stevechristensen@utah.gov>, James Owen <jamesowen@utah.gov>, John Byars <jbyars@bowieresources.com>, "Amanda Daniels (amandadaniels@utah.gov)" <amandadaniels@utah.gov>
Cc: "OGMCOAL OGMCOAL (OGMCOAL@utah.gov)" <OGMCOAL@utah.gov>, "Hamilton, Rob -FS (rhamilton@fs.fed.us)" <rhamilton@fs.fed.us>

We were able to get to the South Fork of Quitchupah creek today with a four wheeler. Because the South Fork is still covered in ice and approximately 3 feet of snow we were unable to see if water was flowing, but will continue to check as access is available. Snow is forecast for Thursday and Friday of this week in the area.

A drawing showing the location of mining is attached. Please contact me with any questions or concerns.

Thanks, Vicky

From: Vicky Miller
Sent: Wednesday, January 15, 2014 7:21 AM
To: Steve Christensen (stevechristensen@utah.gov); James Owen (jamesowen@utah.gov); John Byars; Amanda Daniels (amandadaniels@utah.gov); OGMCOAL OGMCOAL (OGMCOAL@utah.gov); Hamilton, Rob -FS (rhamilton@fs.fed.us)
Subject: Monitoring Report South Fork of Quitchupah

We have been unable to access the South Fork of Quitchupah Creek for the past two weeks. The mine site has received several storms in the past two week, with the accumulation of snow being about two inches. However other areas in the vicinity have reported up to a foot of snow and gusty winds. The creeks at lower elevation have been ice and snow covered for the past two weeks, with no flow observable, being at a higher elevation we anticipate that the South Fork is the same.

A drawing showing the location of mining is attached.

Any questions or concerns please do not hesitate to contact me.

Vicky

From: Vicky Miller
Sent: Monday, December 30, 2013 8:53 AM
To: Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); James Owen (jamesowen@utah.gov<mailto:jamesowen@utah.gov>); John Byars; Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>); Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>)
Subject: Monitoring Report South Fork of Quitchupah

We have been unable to access the South Fork of Quitchupah Creek the past two weeks (Dec 16 thru Dec 29) due to drifting snow, ice and impassable roads. The mine site (lower elevation than Quitchupah Creek) received approximately 3" of snow in the past two weeks. A drawing showing the location of mining is attached.

Happy New Year to you all.

Thanks, Vicky

From: Amanda Richard
Sent: Wednesday, December 18, 2013 8:14 AM
To: 'stevechristensen@utah.gov'; 'jamesowen@utah.gov'; John Byars; Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>; rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>
Cc: Vicky Miller; Chris Hansen
Subject: FW: Monitoring Report South Fork of Quitchupah

Attached is the mine map.

Thanks,
Amanda

From: Vicky Miller
Sent: Tuesday, December 17, 2013 9:21 PM
To: Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); James Owen (jamesowen@utah.gov<mailto:jamesowen@utah.gov>); John Byars; Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)
Cc: Amanda Richard; Chris Hansen
Subject: Monitoring Report South Fork of Quitchupah

South Fork of Quitchupah Stream Channel-Undermining Impacts-Monitoring Plan

December 1st through the 15th we have not had access to the South Fork of Quitchupah due to snow, ice, fog and impassible roads. A copy of the mine map will follow in a second e-mail. I apologize for the delay of this report and the map.

Vicky

From: Vicky Miller
Sent: Monday, December 02, 2013 10:43 AM
To: Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); James Owen (jamesowen@utah.gov<mailto:jamesowen@utah.gov>); Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)
Cc: John Byars; Amanda Richard; Chris Hansen
Subject: Monitoring Report South Fork of Quitchupah

South Fork of Quitchupah Stream Channel-Undermining Impacts-Monitoring Plan

November 19 - Ice and snow covered the creek channel, snowed on Friday and Saturday of previous week, snow depth on the ground varied from 1/4" to drifts of 8 - 10". Flowing Water was observed in channel above and immediately below the road. Flow estimated at 55 to 75 gpm. The channel in the canyon was frozen and snow covered.

November 20 - Snow and Rain fell, no access due to muddy roads
November 21 - Snow and Rain, no access due to muddy roads
November 22 - 25 - Approximately 16" of snow has fallen at mine site, no road access due to snow. Estimate a minimum of 2+ feet fell on top of the mountain.
November 26 - No access due to snow

November 27 - No access due to snow
November 28 - 30 - No access due to snow and heavy fog

If you have questions, please contact me at this e-mail address or at (435)286-4481. Thanks, Vicky

From: Vicky Miller
Sent: Monday, November 18, 2013 1:24 PM
To: Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); James Owen (jamesowen@utah.gov<mailto:jamesowen@utah.gov>); Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)
Cc: John Byars; Chris Hansen; Amanda Richard
Subject: FW: Monitoring Report South Fork of Quitchupah

South Fork of Quitchupah Stream Channel-Undermining Impacts-Monitoring Plan

November 4 - Snow and ice covered stream channel, water could be seen flowing below ice. No impact noted associated with mining.

November 6 - Ice covered channel, estimated thickness of ice 1.5". Estimated flow of water below ice 65 - 85 gpm. No impacts noted associated with mining. Springs were snow covered with water from previous spring flow frozen in cow footprints. Snow depth varied from ¼" to 6" along the channel.

November 7 - By late afternoon about 50% of the snow and ice covering the channel above the road crossing had melted. Estimated flows were 139 to 160 gpm from above 006A to 006B. Ice covering the channel in the canyon had not melted.

November 11 - Flows similar to the flows on November 7th. Springs were still snow covered and frozen. Path adjacent to channel had been heavily used by wildlife, likely seeking water. No impacts from mining observed.

November 13 - No impacts from mining observed. Some water flow in the canyon was observed, but the majority of the channel in the canyon was still frozen and snow covered.

If you have questions, please contact me at 435-286-4481. Thanks, Vicky

From: Vicky Miller
Sent: Tuesday, November 05, 2013 7:49 AM
To: Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); James Owen (jamesowen@utah.gov<mailto:jamesowen@utah.gov>); Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)
Cc: Richard, Amanda; John Byars; Hansen, Chris
Subject: FW: Monitoring Report South Fork of Quitchupah

South Fork of Quitchupah Stream Channel - Undermining Impacts - Monitoring Plan

October 21 - No impact noted associated with mining. Various locations on the stream channel were ice covered, north facing slopes were covered in snow, on south facing slopes most of the snow had melted except in shady areas.

October 24 - No impacts noted associated with mining. Snow still present in the canyon and more of the stream channel was ice covered than on the visit October 21st. Flow in the channel ranged from 111 to 118 gpm.

October 28 - No impacts noted associated with mining. Evidence of snow fall over the weekend and ice in various locations covered the water in the channel. Storm moved in around 3:30 pm this afternoon approximately 4" of snow fell in the lower elevations.

October 29 - Approximately 6" of snow fell at mine site overnight. No access to the South Fork.

October 30 & 31 - No access to the South Fork channel due to snow and muddy roads.

November 1 - No impacts noted associated with mining.

If you have questions, please contact me at this e-mail address or (435) 286-4481. Thanks, Vicky

From: Vicky Miller
Sent: Monday, October 21, 2013 10:11 AM
To: Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); James Owen (jamesowen@utah.gov<mailto:jamesowen@utah.gov>); Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); Richard, Amanda; OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)
Cc: Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>)
Subject: FW: Monitoring Report South Fork of Quitchupah

South Fork of Quitchupah Stream Channel - Undermining Impacts - Monitoring Plan

October 8 - No impact associated with mining noted during inspection of the stream channel and adjacent area.
October 9 - No impact associated with mining noted during inspection of the stream channel, springs and adjacent area during inspection with Joe Helfrich (DOGM). Erik Petersen measured the flow of the channel which ranged from 78.5 to 107.4 gpm.

October 12, 13, 14, 15 - Snow fell on these days preventing access to the stream channel.

October 16 & 17 - No impact associated with mining noted during the inspection of the stream channel, although a majority of the channel was covered with ice and the adjacent area was covered with between 3 and 6 inches of snow.

If you have questions please contact me at this e-mail address. Thanks, Vicky

From: Vicky Miller
Sent: Monday, October 07, 2013 11:05 AM
To: Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); James Owen (jamesowen@utah.gov<mailto:jamesowen@utah.gov>); Richard, Amanda; OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)
Cc: Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>)
Subject: Monitoring Report South Fork of Quitchupah

South Fork of Quitchupah Stream Channel - Undermining Impacts - Monitoring Plan

September 24 - No impact associated with mining noted during inspection of the stream channel and adjacent area. Debris flow from previous week's storms extended 18 to 25 feet onto the surrounding area. Riparian vegetation buried in up to 8" of mud in some locations.

September 26 - No impacts associated with mining noted during the inspection of the stream channel. Flows ranged from 66 to 84 gpm as measured by Erik Petersen.

September 27 & 28 - No impacted noted.

October 1 - No impacts associated with mining noted during the inspection of the stream channel.

October 2 - No impacts associated with mining noted during the inspection of the stream channel.

Any questions please contact me at this e-mail address. Thanks, Vicky

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