



OGMCOAL DNR <ogmcoal@utah.gov>

FW: Monitoring Report South Fork of Quitchupah

1 message

Vicky Miller <vmiller@bowieresources.com>

Mon, Nov 18, 2013 at 1:23 PM

To: "Steve Christensen (stevechristensen@utah.gov)" <stevechristensen@utah.gov>, "James Owen (jamesowen@utah.gov)" <jamesowen@utah.gov>, "Amanda Daniels (amandadaniels@utah.gov)" <amandadaniels@utah.gov>, "OGMCOAL OGMCOAL (OGMCOAL@utah.gov)" <OGMCOAL@utah.gov>
Cc: John Byars <jbyars@bowieresources.com>, Chris Hansen <chansen@bowieresources.com>, Amanda Richard <arichard@bowieresources.com>

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); James Owen (jamesowen@utah.gov); Amanda

Daniels (amandadaniels@utah.gov); OGMCOAL OGMCOAL (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); James Owen (jamesowen@utah.gov); Amanda Daniels (amandadaniels@utah.gov); Richard, Amanda; OGMCOAL OGMCOAL (OGMCOAL@utah.gov)

Cc: Hamilton, Rob -FS (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); James Owen (jamesowen@utah.gov); Richard, Amanda; OGMCOAL OGMCOAL (OGMCOAL@utah.gov)

Cc: Hamilton, Rob -FS (rhamilton@fs.fed.us)

Subject: Monitoring Report South Fork of Quitcupah

South Fork of Quitcupah 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.

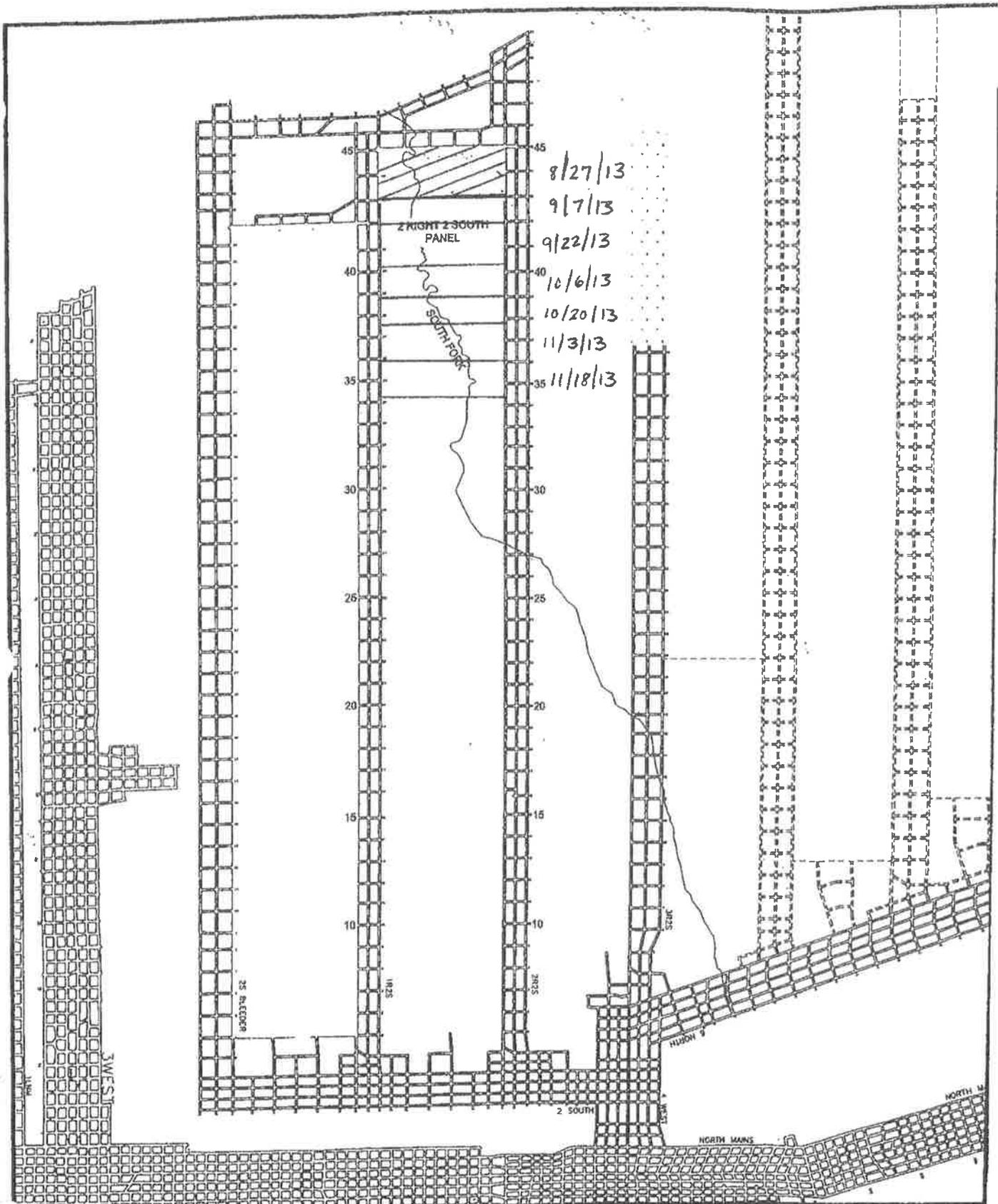
September 27 & 28 – No impacted noted.

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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SUFCO Mine
 597 South SR 24 - Salina, UT 84654
 (435) 286-4880 Phone
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SUFCO MINE		
2 RIGHT 2 SOUTH - SOUTH FORK		
SCALE: N.T.S.	DATE: 8/27/2013	DRAWN BY: T.R.B.
ENGINEER:	CHECKED BY:	PROJ: ###
FILE NAME: E:\SUFCO\DRAWINGS\2R2S STREAM.dwg		

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