



OGMCOAL DNR <ogmcoal@utah.gov>

Monitoring Report South Fork of Quitchupah Creek

1 message

Vicky Miller <vmiller@bowieresources.com>

Mon, Oct 6, 2014 at 10:49 AM

To: "Steve Christensen (stevechristensen@utah.gov)" <stevechristensen@utah.gov>, "Amanda Daniels (amandadaniels@utah.gov)" <amandadaniels@utah.gov>, "Hamilton, Rob -FS (rhamilton@fs.fed.us)" <rhamilton@fs.fed.us>

Cc: "OGMCOAL OGMCOAL (OGMCOAL@utah.gov)" <OGMCOAL@utah.gov>, John Byars <jbyars@bowieresources.com>, Wyatt Shakespear <WShakespear@bowieresources.com>

The South Fork of Quitchupah Creek was observed on Sept.22, 24, 30 and October 3. The mine site recorded 1.6 inches of rain during the two week period . Following the rainstorms during this period the creek was inundated with sediment and the creek overflowed its banks (photos 4463, 4508). The temperatures dropped to freezing (4319) starting the week of the 22nd. On the 24th the ponds were dry and flow in the creek was estimated at 70 gpm, on the 30th flow was estimated at 90 gpm, on Oct. 3 all ponds had water in them. The use of the creek by cattle was heavy until Oct 3rd.

No new subsidence cracks were located and the flow was observed to be similar from Spring 006 to Stream Monitoring Location 006D (4305) during the two week period. Monitoring location 006D was enveloped in a pond with three beaver dams in succession below it , see photos 4483 and 4487. The springs were checked and all were running (4323).

Attached is a drawing showing the location of mining on October 5, 2014. Please let me know if there are questions or you need additional information. Thanks, Vicky

From: Vicky Miller

Sent: Wednesday, September 24, 2014 1:36 PM

To: 'Steve Christensen (stevechristensen@utah.gov)'; 'Amanda Daniels (amandadaniels@utah.gov)'; 'Hamilton, Rob -FS (rhamilton@fs.fed.us)'

Cc: 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov)'; John Byars; Wyatt Shakespear

Subject: Monitoring Report South Fork of Quitchupah Creek

On September 9th the flow in the South Fork of Quitchupah Creek was estimated at 90 gpm, on Sept. 15 the flow was estimated at slightly over 100 gpm (imgp 4237, 4245). Approximately 1.3 inches of rain fell at the mine site during the two week period. Muddy Creek where it crosses Highway 10 was observed to be sediment laden and close to flooding it's banks on the afternoon of Sept. 19.

During the two week period (Sept 8 – 21) the canyon was walked to look for new subsidence cracks, no cracks were found. Flow was observed to be similar in the channel above the road culvert and below the road at all photo point locations. Although the ponds being monitored were all observed to be dry on September 18th, cattle were laying and grazing around them. The springs associated with the So. Fork of Quitchupah drainage were observed to be flowing (imgp 4234).

Attached is a drawing showing the location of mining on September 21, 2014. Please let me know if you have questions or need additional information. Thanks, Vicky

From: Vicky Miller

Sent: Monday, September 8, 2014 10:08 AM

To: 'Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); 'Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>); 'Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>)'

Cc: 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>); John Byars; Wyatt

Shakespear

Subject: Monitoring Report South Fork of Quitchupah Creek

During the weeks of August 25th and September 1st, water was observed to be flowing the length of the South Fork of Quitchupah Creek (see photos). In addition, no new subsidence cracks were observed along the stream channel. The springs west of the culvert had good flow. Cows had returned to the creek area but impacts appeared minimal.

During the two week period flow when measured, varied between 90 and 130 gpm. At the mine site there was approximately 0.4 inches of precipitation during the two week period.

A drawing is attached showing the location of mining during the two week period. Please let me know if you require additional information. Thanks, Vicky

8 attachments



IMGP4508.JPG
1894K



IMGP4305.JPG
1829K



IMGP4319.JPG
1793K

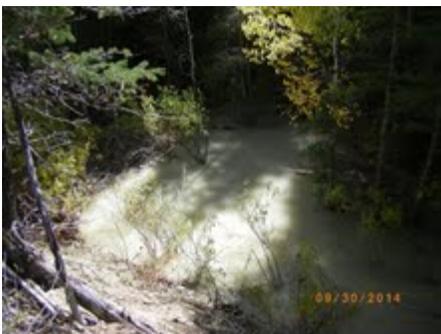
IMGP4323.JPG
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IMGP4463.JPG
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