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**Vicky Miller**

to stevechristens., jamesowen, Amanda, me, rhamilton

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 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.

September 27 & 28 – No impacts 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

**From:** Vicky Miller**Sent:** Monday, September 23, 2013 10:00 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))**Cc:** 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 Quitcupah

South Fork of Quitcupah Stream Channel – Undermining Impacts – Monitoring Plan

September 7<sup>th</sup> thru September 15<sup>th</sup> the area of the Sufco Mine received 4.5 inches of rain. The South Fork of Quitcupah was not monitored and safety of the personnel doing the monitoring.

September 16<sup>th</sup> – No impacts noted in the channel related to mining – Flow ranged between 210 to 239 gpm. According to Erik Petersen there was evidence of very large flows in the channel and large chunks of riparian vegetation had been ripped from deposits of mud and sand, with puddles of standing water. Heavy rains may have influenced the flow measurements in the channel with water.

September 17<sup>th</sup> and 18<sup>th</sup> – No impacts noted in the channel related to mining. Estimated flow ranged from 69 to 100 gpm. A realignment of the previous week which deposited sediment and debris in the channel above and below the monitoring site.