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Subject: Water Quality Data for Baseline WQ Report

Dean,

In order to get as much data as possible incorporated in the Baseline Water Quality Data Report and Analysis report soon to be initiated for Cedar Breaks NM, I have scoured the files and came up with not much. A total of 9 items will be mailed to you. They are itemized below for your and my records.

1. Copies of the USGS quads with the water resources names and highlighted. The only significant water source that I know of that is not indicated is Arch Cave Spring, which is located somewhere down among the breaks.
2. A 1967 USGS administrative report, WATER RESOURCES OF CEDAR BREAKS NATIONAL MONUMENT, by C.T. Sumsion. It contains one basic analysis each for Sunset View Spring and Alpine Pond spring.
3. A 1971 USGS administrative report, SPRING DISCHARGE AT CEDAR BREAKS NM AND ZION NP, by C.T. Sumsion. It includes 17 measurements of Q and temperature, and 2 basic chemical analyses for Sunset View Spring.
4. Some 1975 discharge measurements for Blowhard and Shooting Star Springs, Quality unknown.
5. One 1988 basic chemical analysis of Blowhard Spring, done by the Utah State Health Laboratory. This was collected for monitoring of the drinking water system, but this samples was collected at the spring discharge.
6. A memo from 1957 reporting several flow measurements made with a flume installed at Alpine Pond Spring.
7. A 1984 memo reporting discharge from Blowhard Spring from 1979 through 1984. I presume that the discharge reported is from Blowhard Spring exclusively, until the Auxiliary Spring (Shooting Star) is turned on. For the remainder of each year, the reported discharge is some mix of flow from both springs, so it should be disregarded for your purposes.
8. A table summarizing bacteriological samples from Shooting Star and Blowhard Springs for 1984-1997. These were the samples from the routine monitoring of the drinking water system that were clearly taken from the springs.
9. A report by A. van V. Dunn (that guy was everywhere), ANALYSIS OF WATER SYSTEM CEDAR BREAKS NATIONAL MONUMENT, from 1941. It unfortunately does not include any water quality data, but I wanted to make sure the WRD Reference Room had a copy.

If anything more turns up, I will pass it on, but I think this is pretty much everything. Give me a call if you have any questions, and thanks for the early warning on this.

Dave