



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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**DIVISION OF OIL GAS & MINING
FIELD VISIT FORM
TECHNICAL**

Date: June 19, 2000
Time: 1:00-2:00 PM
DOGM Staff: Paul Baker
Other Attendees: Patrick Collins and Charles Reynolds
Re: Columbines, CO-Op Mining Company, Bear Canyon Mine, ACT/ 015/025,
Internal File

Purpose:

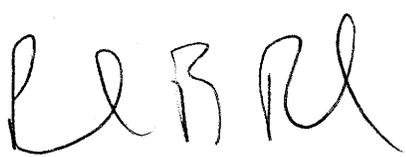
To look at some columbines in the right fork of Bear Canyon and try to determine if they are the Forest Service Region 4 sensitive species *Aquilegia flavescens* Var. *rubicunda*, the Link Trail columbine.

Observations:

We easily found specimens of a columbine I had seen a few weeks earlier during ^{were} a field visit. There was one plant next to Bear Creek right at the turnoff to the right fork, and there ~~are~~ were about 10 plants at a seep in the right fork. Dr. Collins and I used *A Utah Flora* to try to identify the plants, but we found they did not follow the key very well. We both felt they fit the description of the Link Trail columbine better than any other species, but we were not real comfortable with that identification.

Recommendations/Conclusions:

Dr. Collins collected a plant from the seep area and is pressing it. He intends to take it to the BYU herbarium to compare with other specimens and to show it to other botanists for positive identification. If the plant is the Link Trail columbine, Co-Op should try to avoid the plant during construction of the Wild Horse Ridge facilities. Very little of the riparian area would be disturbed. The plant is not listed as threatened or endangered; it is a sensitive species in Region 4 of the Forest Service.

Signature:  on June 30, 2000
Paul B. Baker, Reclamation Biologist