



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

Michael O. Leavitt
 Governor
 Kathleen Clarke
 Executive Director
 Lowell P. Braxton
 Division Director

1594 West North Temple, Suite 1210
 PO Box 145801
 Salt Lake City, Utah 84114-5801
 801-538-5340
 801-359-3940 (Fax)
 801-538-7223 (TDD)

DIVISION OF OIL GAS & MINING
 FIELD VISIT FORM
 TECHNICAL

Date : July 27, 1999

Time: 7:00 a.m. to 5:30 p.m.

Mine: J. B. King

File Number: ACT/015/002, Folder #2

DOGM Staff: Susan M. White

Other Attendees: Sam Bamberg and Ingrid Hanne (Bamberg Associates)

Purpose: To observed vegetation sampling for Phase III bond release.

Observations:

I sampled with Bamberg Associates throughout the day. I actively participated in 40 cover samples taken on the disturbed area and 20 cover samples taken on the reference area. A 4m² quadrat was used on the disturbed area and a 1m² quadrat was used on the reference area. After 40 samples on the disturbed area the mean cover was approximately 19 percent and the calculated minimum sample size requirement was over 160 samples. Sam and Ingrid stayed after I left to take an additional 20 samples on the disturbed area. The reference area mean cover was also approximately 19 percent and the calculated minimum samples size requirement was 6 samples. No additional sampling was needed on the reference area.

The disturbed area grasses were grazed by small mammals. Most grasses observed on the disturbed area were cool season grasses and were past seed set and going into dormancy. The time of sampling provided an adequate representation of cover and species on site. The reference areas was less grazed by small mammals. Many of the grasses on the reference area were warm season grasses and in an active growth stage.

Recommendations/Conclusions:

The vegetation sampling that I observed during the site visit was representative. Both the disturbed site and the reference area looked very good as a result of several years of normal or above normal precipitation.

Signature: Susan M. White Biologist on August 6, 1999
 <Name>, <Title>