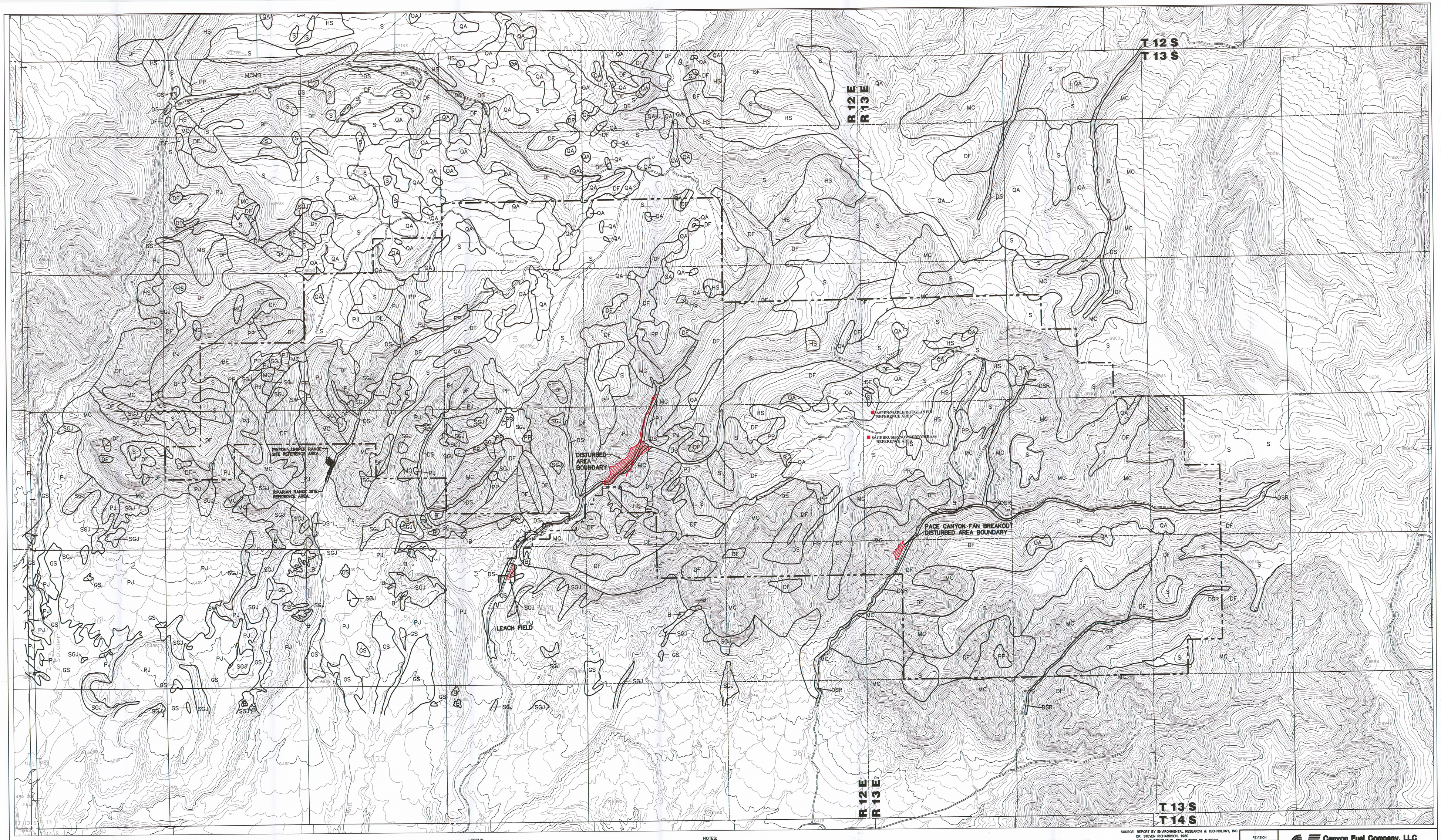


## LEGEND

| | | | |
|---|---|---|---|
| B | BARREN GROUND | PJ | PINION JUNIPER |
| DF | DOUGLAS FIR | PP | PONDEROSA PINE |
| DS | DECIDUOUS STREAMBANK | QA | QUAKING ASPEN |
| FW | FARMLAND WEEDS | RG | RUSH GRASS |
| GS | GREASEWOOD–SAGEBRUSH | S | SAGEBRUSH |
| HS | HIGH SHRUBS | SCW | SALT CEDAR–WILLOW |
| MC | MIXED CONIFER | SGJ | SHRUB–GRASS–JUNIPER |
| MCMB | MIXED CONIFER–MOUNTAIN BRUSH | DSR | DECIDUOUS STREAM BANK VEGETATION AND LIMITED RIPARIAN VEGETATION |

PERMIT AREA BOUNDARY

ADDITION TO PERMIT AREA

REGISTERED PROFESSIONAL ENGINEER No. 151818 DAVID G. SPILLMAN 12/21/99 STATE OF UTAH

NOTES:

1. SOME MAPPED VEGETATION UNITS INCLUDE SMALL SCATTERED AREAS OF VEGETATION OTHER THAN THAT FOR WHICH THE VEGETATION UNIT IS LABELLED. "THE SOILS IN ANY ONE MAP UNIT DIFFER FROM PLACE TO PLACE IN SLOPE, DEPTH, DRAINAGE, AND OTHER CHARACTERISTICS THAT AFFECT MANAGEMENT. THE GENERAL MAP UNITS IN THIS SURVEY HAVE BEEN GROUPED INTO GENERAL KINDS OF LANDSCAPE FOR BROAD INTERPRETIVE PURPOSES." ① PAGE 5.

2. THE VEGETATION COMMUNITY UNIT MAPPING ON THIS PLATE IS OF LESSER INTENSITY THAN THAT OF PLATE 3–1A. PERCEIVED DIFFERENCES BETWEEN THIS PLATE AND PLATE 3–1A ARE ATTRIBUTED TO THE LEVEL OF SAMPLING AND SCALE DIFFERENCE BETWEEN THE PLATES.

3. AREAS OF VEGETATION ADJACENT TO THE DISTURBED AREA BOUNDARY WERE GROUND TRUTHED IN 1998.

4. "MOST INCLUDED SOILS HAVE PROPERTIES SIMILAR TO THOSE OF THE DOMINANT SOIL OR SOILS IN THE MAP UNIT, AND THUS THEY DO NOT AFFECT USE AND MANAGEMENT. THESE ARE CALLED NONCONTRASTING, OR SIMILAR, INCLUSIONS. THEY MAY OR MAY NOT BE MENTIONED IN THE MAP UNIT DESCRIPTION. OTHER INCLUDED SOILS AND MISCELLANEOUS AREAS, HOWEVER, HAVE PROPERTIES AND BEHAVIOR DIVERGENT ENOUGH TO AFFECT USE OR TO REQUIRE DIFFERENT MANAGEMENT. THESE ARE CALLED CONTRASTING, OR DISSIMILAR, INCLUSIONS. THEY GENERALLY ARE IN SMALL AREAS AND COULD NOT BE MAPPED SEPARATELY BECAUSE OF THE SCALE USED." ① PAGE 13.

5. SEE REFUSE PILE DOCUMENT FOR VEGETATION TYPES AND REFERENCE AREA LOCATION.

6. REFER TO REFUSE PILE AMENDMENT AND METHANE DEGASSIFICATION AMENDMENT FOR SPECIFIC INFORMATION PERTAINING TO THEIR AREAS.

7. ADDITIONAL VEGETATION REFERENCE AREAS SHOWN ON PLATE 3–1E.

SOURCE: REPORT BY ENVIRONMENTAL RESEARCH & TECHNOLOGY, INC DR. STEVEN RICHARDSON, 1980
AERIAL PHOTOGRAPHS, SOIL SURVEY OF CARBON AREA, UTAH ①

0' 1000'

| REVISION | | |
|---|---|---|
| DATE | BY | |
| 6/12/01 | JCB | |
| 12/17/03 | RW | |
| 01/28/07 | JKS | |
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FILE IN Expandable 01947001
Refer to Record No. 00117 on CONTENTS 3007: Excavations for additional information

**Canyon Fuel Company, LLC**
Soldier Canyon & Dugout Canyon Mines

RECEIVED
JAN 29 2007
DIV. OF OIL, GAS & MINING

# VEGETATION

## Dugout Canyon Mine

| | | | |
|---|---|---|---|
| DRAWN BY: JLP | DATE: JULY 19, 1999 | SCALE: 1" = 1000' | |
| APPROVED BY: | FILE NAME: X:\DGW\2 Working Files\Dugout\Sitbk\Plate 3-1.dwg | DRAWING OR MAP NUMBER | PLATE 3–1 |