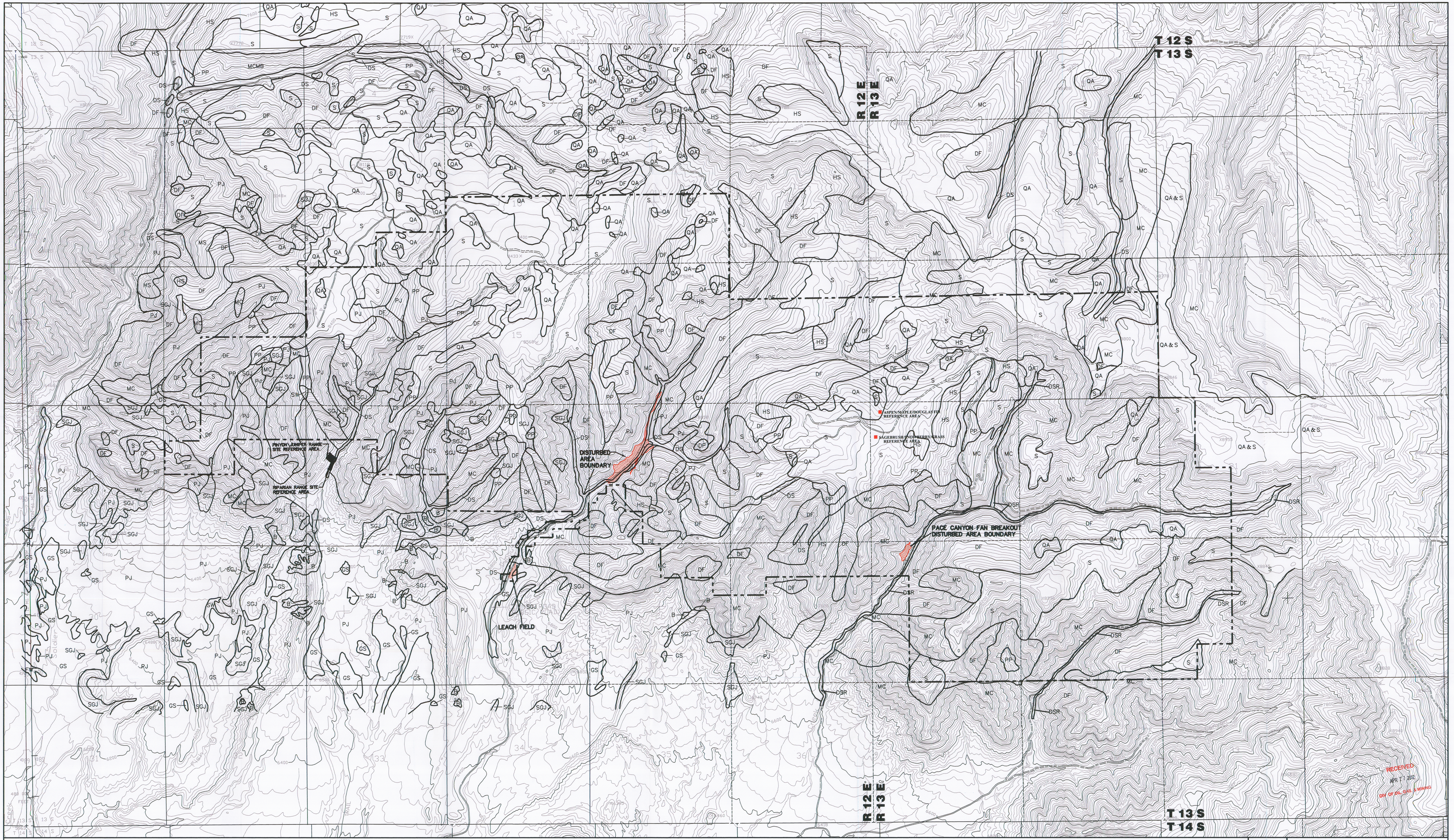

LEGEND

B	BARREN GROUND	PJ	PINION JUNIPER	— — —	PERMIT AREA BOUNDARY
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		

NOTES:

1. SOME MAPPED VEGETATION UNITS INCLUDE SMALL SCATTERED AREAS OF VEGETATION OTHER THAN THAT FOR WHICH THE VEGETATION UNIT IS LABELED. "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

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Greening, 0001

REGISTERED PROFESSIONAL ENGINEER
No. 151610
DAVID G. SPILLMAN
4/25/12
STATE OF UTAH

0' 1000'

REVISION	
DATE	BY
6/12/01	JCB
12/17/03	RR
01/26/07	JKS
10/10/07	JLP
02/21/08	VSM/SWF
03/06/12	JKS

Canyon Fuel Company, LLC
Soldier Canyon & Dugout Canyon Mines

RECEIVED
MAY 18 2012
DIV. OF OIL, GAS & MINING

VEGETATION

Dugout Canyon Mine

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