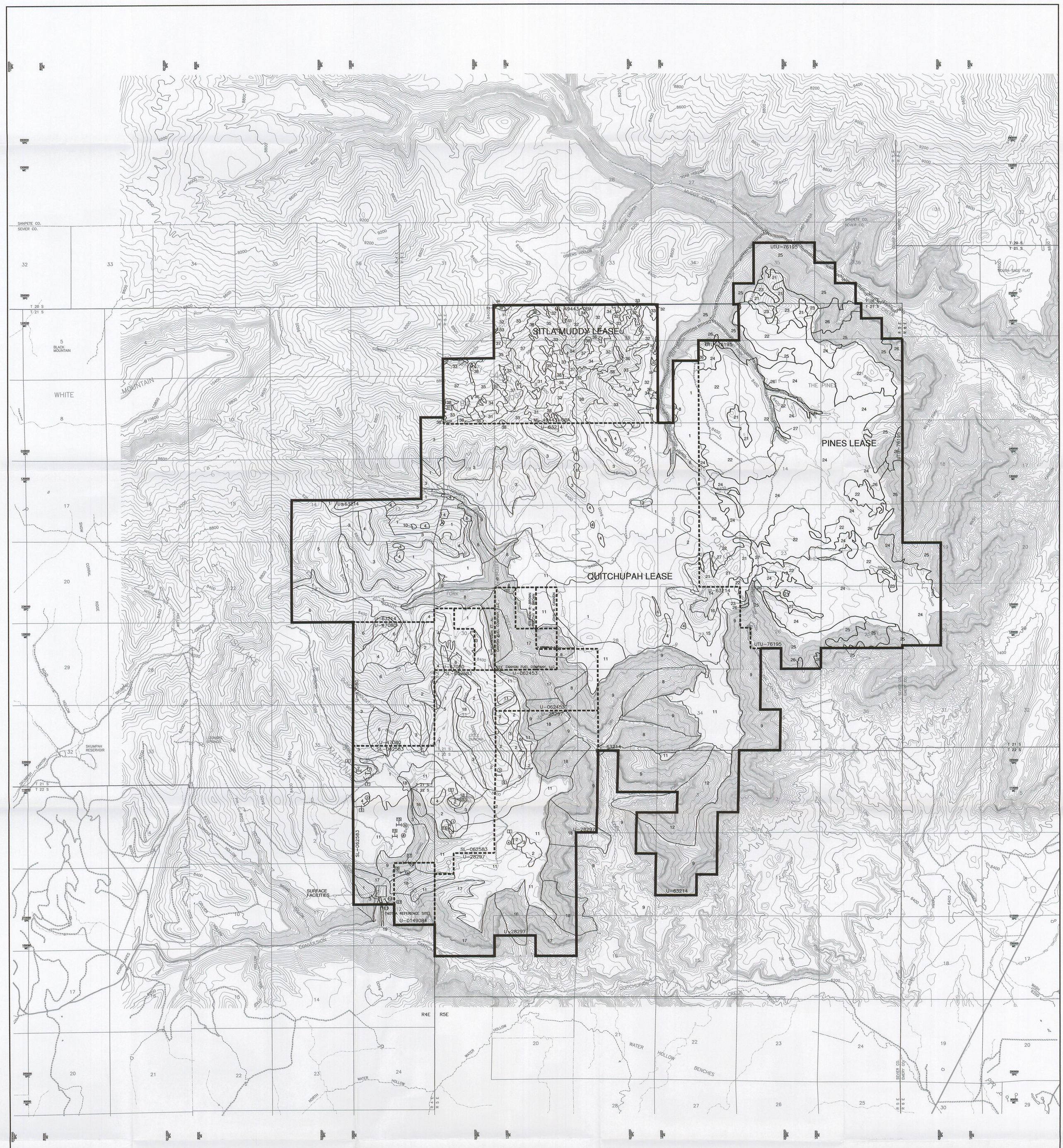

EXPLANATION

- SUFCO PROPERTY BOUNDARY
- SUFCO LEASE BOUNDARY
- MINE COORDINATES
- STATE PLANE COORDINATES
- VEGETATION SAMPLE SITE
- 22 SOIL SAMPLE SITE
- 12 VEGETATION SAMPLE NUMBER
- RIPARIAN AREAS

QUITCHUPAH LEASE PLANT COMMUNITIES

SOURCE:
SOUTHERN UTAH FUEL COMPANY
CONVULSION CANYON AND QUITCHUPAH TRACTS
VEGETATION MAP
EPS, INC. 129 NORTH 1000 EAST
OREM, UTAH 84057
1 OCTOBER 1991

1. SAGEBRUSH–GRASS
2. GRASS–BLACK SAGEBRUSH
3. MOUNTAIN BRUSH (OAK–SERVICEBERRY MOUNTAIN MAHOGANY, ETC.)
4. ASPEN 5. ASPEN–OAK
6. ASPEN–DOUGLAS FIR–LIMBER PINE
7. MOUNTAIN MAHOGANY–OAK–PONDEROSA PINE
8. DOUGLAS FIR–SPRUCE–LIMBER PINE
9. PINYON–JUNIPER–MOUNTAIN MAHOGANY
10. LIMBER PINE
11. PONDEROSA PINE–MOUNTAIN MAHOGANY–MANZANITA
12. PINYON–JUNIPER–DOUGLAS FIR
13. WIREGRASS–FOXTAIL–HAPLOPAPPUS
14. DOUGLAS FIR–SPRUCE–LIMBER PINE–ASPEN
15. LIMBER PINE–MOUNTAIN MAHOGANY–SERVICEBERRY
16. MOUNTAIN MAHOGANY
17. PINYON–JUNIPER
18. DOUGLAS FIR & OTHER
19. RIPARIAN
20. PONDEROSA PINE–DOUGLAS FIR–ASPEN–SERVICEBERRY

PINES LEASE PLANT COMMUNITIES

SOURCE:
MANTI–LA SAL NATIONAL FOREST–PINES TRACT PROJECT
FINAL ENVIRONMENTAL IMPACT STATEMENT (FEIS)
FIGURE 3–10 VEGETATION TYPES
JANUARY 1999
USDA FOREST SERVICE, REGION FOUR
MANTI–LA SAL NATIONAL FOREST
EMERY AND SEVIER COUNTIES, UTAH

21. GRASSLAND–PERENNIAL FORBS
22. SAGEBRUSH
23. MOUNTAIN BRUSH
24. CONIFER TIMBER
25. MIXED
26. BARREN GROUND
27. ASPEN/DECIDUOUS FOREST

SITLA MUDDY LEASE PLANT COMMUNITIES

SOURCE:
MANTI–LA SAL NATIONAL FOREST
599 WEST PRICE RIVER ROAD
PRICE, UTAH 84501
VEGETATION COVER TYPES MAP
MIKE HUBBARD, SEPT. 21. 2005

31. GRASS LANDS
32. SAGEBRUSH
33. MOUNTAIN BRUSH
34. MIXED CONIFER
35. ASPEN/MIXED CONIFER
36. ROCK
37. ASPEN
38. FORB LANDS
39. PINYONI AND/OR JUNIPER

REGISTERED PROFESSIONAL ENGINEER #334504-2202 JOHN D. BYARS STATE OF UTAH
10-3-05

I CERTIFY THE ITEMS SHOWN ON THIS DRAWING ARE ACCURATE TO THE BEST OF MY KNOWLEDGE

2000 0 2000

REVISIONS OR UP-DATES			DATE: DEC. 02, 1998	
NO.	DATE	BY	DESIGNED BY:	
1	FEB. 10, 1999	MLD	DRAWN BY:	BDH
2	MAR. 01, 2000	MLD	CHECKED BY:	WKS
3	MAY 15, 2000	MLD		
4	JAN. 20, 2005	MLD		
5	SEPT. 12, 2005	MLD	SCALE: 1" = 2000'	

FILENAME: H:\DRAWINGS\MRP\PLATES\PLATE3-1v5.DWG

Canyon Fuel Company, LLC
SUFCO Mine

PLANT COMMUNITIES AND SAMPLING AREAS

397 SOUTH 800 WEST
SALINA, UTAH 84654

DRAWING OR MAP NUMBER PLATE 3-1