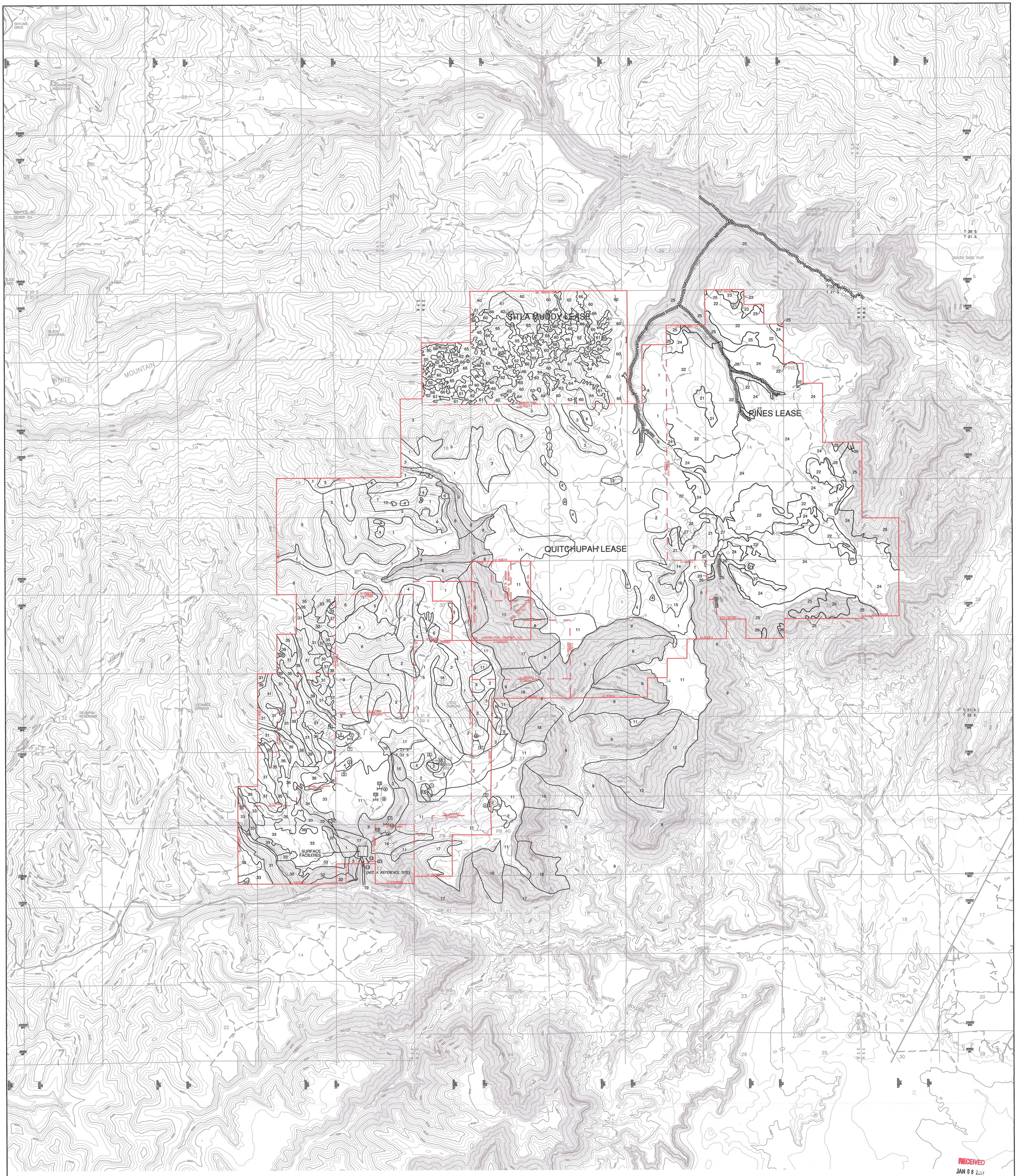

RECEIVED
JAN 08 2013
DIV. OF OIL, GAS & MINING

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

WEST COAL LEASE MOD. PLANT COMMUNITIES

SOURCE:
FISHLAKE NATIONAL FOREST
EXISTING VEGETATION GROUPS

30. PINYON–JUNIPER
31. GAMBEL OAK
32. MOUNTAIN MAHOGANY
33. MIXED CONIFER
34. PONDEROSA PINE
35. ASPEN
36. SAGEBRUSH
37. PERENNIAL GRASSES
38. MOUNTAIN SHRUBS
39. RIPARIAN/WETLANDS

SITLA MUDDY LEASE PLANT COMMUNITIES

SOURCE:
MT NEBO SCIENTIFIC, INC.
RESEARCH & CONSULTING
330 EAST 400 SOUTH, SUITE 6
SPRINGVILLE, UTAH 84663
PATRICK D. COLLINS Ph.D. JANUARY 30, 2008

60. SAGEBRUSH/GRASS
61. MOUNTAIN BRUSH
62. MOUNTAIN HERBLANDS
63. OAK BRUSH
64. PINYON–JUNIPER
65. ASPEN
66. CONIFER

EXPLANATION

- SUFCO EXTERIOR LEASE BOUNDARY
- SUFCO INTERIOR LEASE BOUNDARY
- SUFCO PROPOSED LEASE MODIFICATION
- 100000 MC — MINE COORDINATES
- 2030000 SPC — STATE PLANE COORDINATES
- VEGETATION SAMPLE SITE
- 22 — SOIL SAMPLE SITE
- 12 — VEGETATION SAMPLE NUMBER
- RIPARIAN AREAS

2000 0 2000

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

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

REVISIONS

NO.	DATE	REQ. BY	DWG. BY	REMARKS
4	01/20/05	MLD	BDH	
5	09/12/05	MLD	BDH	
6	05/08/07	MLD	KBB	
7	02/14/08	MLD	KBB	
8	06/11/10	MLD	KBB	
9	01/08/13	VSM	TRB	

Canyon Fuel Company, LLC
SUFCO Mine
597 South SR 24 – Salina, UT 84654
(435) 286–4880 Phone
(435) 286–4499 Fax

PLANT COMMUNITIES AND SAMPLING AREAS

SCALE:	DATE:	DRAWN BY:	ENGINEER:	SHEET NO.
1" = 2000'	12/02/98	BDH/TRB		PLATE 3–1v9
CHECKED BY: MLD	FILE NAME: H:\DRAWINGS\MRP\PLATES\WL 20 LE\PLATE 3–1v9.dwg			