LEGEND

- BEAR CANYON PERMIT
- FEDERAL LEASE BOUNDARIES
- SUBSIDENCE STATION
- RAPTOR NEST
- SECTION LINE
- MINE WORKINGS
- POTENTIAL SUBSIDENCE ZONE
- ESCARPMENT LOCATION

SEE PLATES 3-4 FOR PROJECTED MINING
SEE APPENDIX 3-N FOR SUBSIDENCE MITIGATION DESCRIPTION

REV.	DATE	REMARKS	APPR.
1	12-16-94	Mitigation Area 1 Added, Map Area Expanded (94J)	4-28-95
2	6-18-97	U-024316 Added/Subsidence Barriers Shown (97-1)	2-13-98
3	8-15-00	Mitigation Area 2 Added (AM00B)	9-25-00
4	6-25-01	Wild Horse Ridge Area Added to Permit (SR98-1)	7-03-01
5	2-11-05	Updated Sub Zone above right fork Bear Creek	
6	5-20-05	Updated Sub Zone above east side of fish creek lft frk	
7			
8			
9			
10			

C.O.P. DEVELOPMENT
FEDERAL LEASE
U-46484

C.O.P. DEVELOPMENT
FEDERAL LEASE
U-024316

C.O.P. DEVELOPMENT
FEDERAL LEASE
U-378727

C.O.P. DEVELOPMENT
FEDERAL LEASE
U-020668

C.O.P.D.
FEDERAL
LEASE
U-024318

C.O.P.D.
FEDERAL
LEASE
U-38727

Buffer Zone
No Subsidence

Subsidence
Fractures

MITIGATION
AREA "2"

MITIGATION
AREA "1"

Incidental
Boundary
Change, 1985

Wild Horse Buffer Zone

Area of influence

Rock
Fall

Hunting
Cabin

Picnic
Area

Radio
Tower

Bear Creek
Campground

Mine

CON-6

(CON-5)

MANTI-LA GENTRY

Marsden Canyon

Pack Trail Canyon

Falls Canyon

Rilda Canyon

Birch Spring Creek

Huntington Canyon

Chris Otteson

Left Fork

Right Fork

Wild Horse Ridge

Bear Canyon

RECEIVED
SEP 19 2005
DIV. OF OIL, GAS & MINING

LICENSED PROFESSIONAL ENGINEER
MARK A. REYNOLDS
5049079-2202
STATE OF UTAH

CO-OP MINING CO.

HUNTINGTON, UTAH

SUBSIDENCE MAP

SCALE:	DRAWN BY:	DATE:
1" = 1000'	C. Reynolds	2-21-05

BEAR CANYON | PLATE 3-3