PERMIT AREA "A"

PERMIT AREA "B"

MONT SPRING 91-618

L-11-G SPRING LESLIE SPRING 91-617

NORTH LILA CANYON FAULT

MIDDLE LILA CANYON FAULT

SOUTH LILA CANYON FAULT

Little Park Wash

Bear Canyon

91-4705

91-2615

L-7-G 91-399

91-2537

COTTONWOOD SPRING 91-2521

MYRTLE CANYON WILDERNESS STUDY AREA

91-2519

91-808

L-8-G SPRING 91-2538

Lila Canyon

L-1-S

L-2-S

L-3-S

L-4-S

L-9-G (MINE WATER)

91-4648

91-4649

IPA #1

IPA #2

IPA #3

Right Fork Lila Wash

ENTRY 7500 FAULT

Pine Spring Wash

L-9-G 91-2539 PINE SPRING

91-810

91-2517

EXISTING EMERY COUNTY ROAD

PERMIT AREA "B"

L-13-S

Little Park Wash

Hollow Wash

CENTRAL GRABEN FAULT

91-2618

L-17-G

L-16-G

L-12-G SPRING

L-14-S

91-2619

91-2617

Stinky Spring Wash

Left Fork Williams Draw

Middle Fork Williams Draw

LEGEND:

PERMIT AREA "B" (LILA CANYON):

EPHEMERAL CHANNEL

ROAD

COAL OUTCROP:

FAULTS: U D

WILDERNESS STUDY AREA:

ROADS

MAXIMUM EXTENT OF SUBSIDENCE:

Using 21.5° angle draw

OUTCROP BARRIER (Extent of 2nd Mining)

Also the approximate location of the Castlegate Sandstone Escarpment

PROPOSED SUBSIDENCE POINTS

91-557 WATER RIGHT NUMBER:

91-810 UEI/IPA

RESERVOIR/STREAM:

SPRING SOURCE:

WATER MONITORING LOCATION

Aerial Raptor Survey Area

Area Identified in 2000 model as potential MSO Habitat

MSO Buffer Zone

2006 Raptor Inventory

Golden Eagle Nest – Dilapidated Not Found Not Surveyed

Golden Eagle Nest – Inactive

Golden Eagle Nest – Tended

Golden Eagle Nest – Active

Falcon Nest – Dilapidated Not Found Not Surveyed

Falcon Nest – Inactive

Falcon Nest – Tended

Falcon Nest – Active

Raven Nest – Dilapidated Not Found Not Surveyed

Raven Nest – Inactive

Raven Nest – Tended

Raven Nest – Active

REVISION DATE:

DATE:	BY:	DATE:	BY:
NOVEMBER 20, 1999	BJ	JANUARY, 2005	RJM
AUG 29, 2000	BJ	FEBRUARY 2007	RJM
JAN 09, 2001	BJ		
MAR 21, 2001	BJ		
Sept 20, 2002	RJM		
AUG 19, 2003	RJM		
DEC 20, 2004	RJM		

N

500' 0' 1000' 2000'

UTAH REGISTERED PROFESSIONAL ENGINEER #152606 R. Jay Marshall

LILA CANYON MINE

Confidential Subsidence Control Map

DATE: NOVEMBER 1999

DESIGNED BY: UEI

SCALE: AS SHOWN

PLATE #: Plate 5-3 Confidential