PERMIT AREA "A"

PERMIT AREA "B"

MONT SPRING 91-618

LESLIE SPRING 91-617

NORTH LILA CANYON FAULT

MIDDLE LILA CANYON FAULT

SOUTH LILA CANYON FAULT

Bear Canyon

Little Park Wash

Lila Canyon

Right Fork Lila Wash

Stinky Spring Wash

Left Fork Williams Draw

Middle Fork Williams Draw

Pine Spring Wash

Cottonwood Wash

IPA #1 Wash

91-2615

91-4705

91-2537

91-399

91-2521

91-2519

91-808

91-4648

91-4649

91-2538

91-2539

91-810

91-2517

91-2618

91-2617

L-11-G

L-6-G

L-7-G

L-8-G SPRING

L-5-G (MINE WATER)

L-1-S

L-2-S

L-3-S

L-4-S

L-9-G

PINE SPRING

L-13-S

L-17-G

L-16-G

L-18-S

L-19-S

L-12-G SPRING

L-14-S

IPA #1

IPA #2

IPA #3

OC-01

6395.72

5800.00

5798.61

5855.00

ENTRY 7500 FAULT

CENTRAL GRABEN FAULT

EXISTING EMERY COUNTY ROAD

MYRTLE CANYON WILDERNESS STUDY AREA

PERMIT AREA "B"

LEGEND:

PERMIT AREA "B" (LILA CANYON):

EPHEMERAL CHANNEL

ROAD

COAL OUTCROP:

FAULTS: U D

WILDERNESS STUDY AREA:

ROADS

COVER LINES: 500

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

STRAIN 9.1 x10-3

SUBSIDENCE 9

REVISION DATE:

DATE:	BY:	DATE:	BY:
NOVEMBER 20, 1999	BJ	JANUARY, 2005	RJM
AUG 29, 2000	BJ	MAR. 2006	RJM
JAN 09, 2001	BJ	November 2006	TJS
MAR 21, 2001	BJ	January 2007 (07-002)	RJM
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 2/24/10

INCORPORATED MAY 10 2007 Div. of Oil, Gas & Mining

LILA CANYON MINE

Subsidence Control Map

DATE: NOVEMBER 1999	DESIGNED BY: UEI
SCALE: AS SHOWN	PLATE #: PLATE 5-3