R 13 E
R 14 E
R 14 E
R 15 E

T 15 S
T 16 S
T 16 S
T 17 S

CARBON COUNTY RAILROAD

SUNNYSIDE FAULT

NORTH LILA CANYON FAULT

MIDDLE LILA CANYON FAULT

SOUTH LILA CANYON FAULT

ENTRY FAULT

CENTRAL GRABEN FAULT

WILLIAMS DRAW FAULT

SOUTH BOUNDARY FAULT

46K Volts

County Road

TO SALT LAKE CITY

TO GRAND JUNCTION

SOUTHERN PACIFIC RAILROAD

HC-1
RF-1
RS-2
Bqf1 (HC-2)
001A
002A
L-1-C SPRING
L-6-C SPRING
L-7-C COTTONWOOD SPRING
L-8-C SPRING
L-9-C PINE SPRING
L-10-C SPRING
L-11-C SPRING
L-12-C SPRING
L-1-S
L-2-S
L-3-S
L-4-S
L-5-C (MINE WATER)
L-13-S
L-14-S
L-15-S
L-16-C
L-17-C
L-18-S
L-19-S
IPA #1
IPA #2
IPA #3

LEGEND:

LILA CANYON WATER MONITORING LOCATIONS:
HORSE CANYON WATER MONITORING LOCATIONS:
COAL OUTCROP:
OUTCROP MEASURMENTS: OC-11
FAULTS: U / D

DESCRIPTION OF MAP UNITS:

- Qa — YOUNGER SURFICIAL DEPOSITS: Stream alluvium
- Qg — YOUNGER SURFICIAL DEPOSITS: Gravel thin deposits
- Qc — OLDER SURFICIAL DEPOSITS: Colluvium & slopewash deposits
- Qf — OLDER SURFICIAL DEPOSITS: Alluvium fan deposits
- Qpa — PEDIMENT DEPOSITS: Unit A
- Qpb — PEDIMENT DEPOSITS: Unit B
- Qpc — PEDIMENT DEPOSITS: Unit C
- Tc — COLTON FORMATION: Undivided
- Tcu — COLTON FORMATION: Upper member
- Tcl — COLTON FORMATION: Lower member
- TKfn — FLAGSTAFF LIMESTONE AND NORTH HORN FORMATION:
- Kpb — PRICE RIVER FORMATION: Bluecastle sandstone member
- Kpm — PRICE RIVER FORMATION: Mudstone member
- Kc — CASTLEGATE SANDSTONE OF MESAVERDE GROUP:
- Kbs — Upper mudstone member of Sunnyside member
- Kbk — BLACKHAWK FORMATION OF MESAVERDE GROUP: Upper mudstone member of Kenilworth member
- Km — MANCOS SHALE: Main body

DIP:

DIP = 10% - 14%
STRIKE

REVISION DATE:

DATE:	BY:	DATE:	BY:
11/20/99	BJ		
08/29/2000	BJ		
12/14/2000	BJ		
09/20/2002	RJM		
11/20/2006	TJS		
01/12/2007	RJM		
02/01/2007	RJM		

N

1000' 0' 2000' 4000'

UTAH REGISTERED PROFESSIONAL ENGINEER
#152606
R. Jay Marshall

LILA CANYON MINE

GEOLOGIC MAP OF THE PROJECT AREA

DATE:	DESIGNED BY:
MARCH 1998	EIS
SCALE: Kbk AS SHOWN	PLATE #: 6-1