LEGEND

- Mined Out Areas
- 2004 Production Area
- 2005 Production Area
- 2006 Production Area
- 2007 Production Area
- 2008 Production Area
- 2009 Production Area
- 2010 Production Area
- 2011 Production Area
- 2012 Production Area
- 2013 Production Area
- 2014 Production Area
- Lease Boundary
- Permit Area
- South Crandall Lease Area (Permitting Action Pending
- Projected Subsidence
- Current Subsidence Point
- Proposed Subsidence Point
- Seam Iso-Pac
- Depth of Cover
- Surface Drill Hole
- Underground Drill Hole

NOTE:

1. LONGWALL PANEL GEOMETRY MAY BE INFLUENCED BY GEOLOGIC ANOMALIES WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO COAL THICKNESS, COAL QUALITY, AND MINING CONDITIONS.
2. NO SECOND MINING UNDER LITTLE BEAR DRAINAGE CHANNEL AS PER LEASE STIPULATION.

UTU-68082
LEASE MODIFICATION
(120 ACRES)

CRANDALL CANYON #1 MINE
(HIAWATHA SEAM WORKINGS)

SOUTH CRANDALL CANYON MINE
(HIAWATHA SEAM PROJECTED WORKINGS)

TRESPASS AREA SUMMARY

1. This area of the Panel 6 Bleeder was mined during November 2003 and was sealed according to the revised R2P3 map dated October 1991. The Panel 6 area was mined out and sealed in June 2003.

2. In mid-1998 Genwal Resources Inc. retained the services of a Registered Land Surveyor to investigate BLM concerns that the Genwal Mine was trespassing on BLM lands. The survey, as surveyed, located on the approved October 1998 R2P3.

3. On September 22, 1998 the Registered Land Surveyor determined that the location of the eastern property line in Section 1 had been incorrectly located and certified the located property line as shown, which resulted in an incorrect trespass situation.

4. A trespass assessment was settled with the BLM in Salt Lake City, Utah. The settlement was finalized by agreement on December 14, 1999. The Department of Oil, Gas and Mining issued a Cessation Order (CO-99-31-c) on December 14, 1999, in which Genwal Resources Inc. immediately complied.

Coal recovery in this area is speculative and will depend upon coal seam thickness, geology, quality and economics.

Coal recovery in this area is speculative and will depend upon coal seam thickness, geology, quality and economics.

Mine projections depicted in the fringe areas beyond the SMCRA permit area are speculative and based on future reserve acquisitions.
No mining will be conducted in these areas unless those reserves are acquired in the future and permitted according to federal, state, and local permitting requirements.
Genwal Resources acknowledges that permission to mine within the permit boundary does not imply permission to mine beyond the permit boundary in the future.

ROCK TUNNELS
FROM HIAWATHA SEAM
10/04/04 THRU 02/16/04
(2 @ 675 FT. 15% GRADE)

PORTALS

SURFACE FACILITIES

GENWAL FEE TRACT

FOREST SERVICE SPECIAL USE PERMIT AREA

TRESPASS AREA

CLAY DIKE

PROJECTED DIKES

OUTCROP

FEDERAL LEASE UTU-68082

STATE LEASE ML-21568

FEDERAL LEASE U-54762

FEDERAL LEASE UTU-78953

SILTA/PACIFICORP SUB LEASE

FEDERAL LEASE SL-062648

JOE'S VALLEY FAULT

SOUTH FORK FAULT

FEDERAL RIGHT OF WAY UTU-77977

MILL FORK FAULT

CRANDALL CANYON CREEK

HUNTINGTON RIVER

HIGHWAY 31

LITTLE BEAR DRAINAGE CHANNEL

LITTLE BEAR SPRING

SPRING

DH-1 HIA: 4.2'
DH-2 HIA: 4.5'
DH-3 HIA: 4.9'
DH-4 BC: 4.8' HIA: 5.2' INTER: 102'
DH-5 HIA: 4.2'
DH-6 HIA: 5.0'
DH-7
DH-8 BC: 4.8' HIA: 6.9' INTER: 86'
DH-9 BC: 6.9' HIA: 5.0' INTER: 100.9'
DH-10 BC: 4.0' HIA: 5.3' INTER: 94'
DH-11 BC: 3.2' HIA: 4.0' INTER: 114'
DH-12 BC: 2.0' HIA: 6.5' INTER: 115'
DH-13 BC: 6.2' HIA: 6.75' INTER: 92'
DH2 BC: HIA: INTER:
HC-1
HC-2
HC-3 BC: 8.8' HIA: 4.2' INTER: 74.2'
HC-4
USGS-10
MW-4 DRILLED DOWN FOR WATER MONITORING
MW-5 DRILLED DOWN FOR WATER MONITORING ONLY
MW-6 DRILLED DOWN FOR WATER MONITORING, DRILLED UP & CORED
US6-1 DRILLED UP AND CORED
US6-2 DRILLED UP AND CORED

PANEL 1
PANEL 2
PANEL 3
PANEL 4
PANEL 5
PANEL 6
PANEL 7
PANEL 8
PANEL 9
PANEL 10
PANEL 11
PANEL 12
PANEL 13
PANEL 14
PANEL 15
PANEL 16
PANEL 17
PANEL 18
PANEL 19

T. 15 S.
T. 16 S.
R. 6 E.
R. 7 E.

I hereby certify that the design and/or map contained herein was prepared by me or under my supervision and is true and correct to the best of my knowledge.

GENWAL RESOURCES, INC.

P.O. Box 1077 794 North "C" Canyon Road, Price, Utah
Telephone (435) 888-4000

CRANDALL CANYON #1 MINE AND SOUTH CRANDALL MINE MINE PLAN

REV: 5	ACAD REF: CRANDALL PROJECTIONS
DATE: 10/01/04	BY: JDS
SCALE: 1"=600'	PLATE #: 5-2 (H)