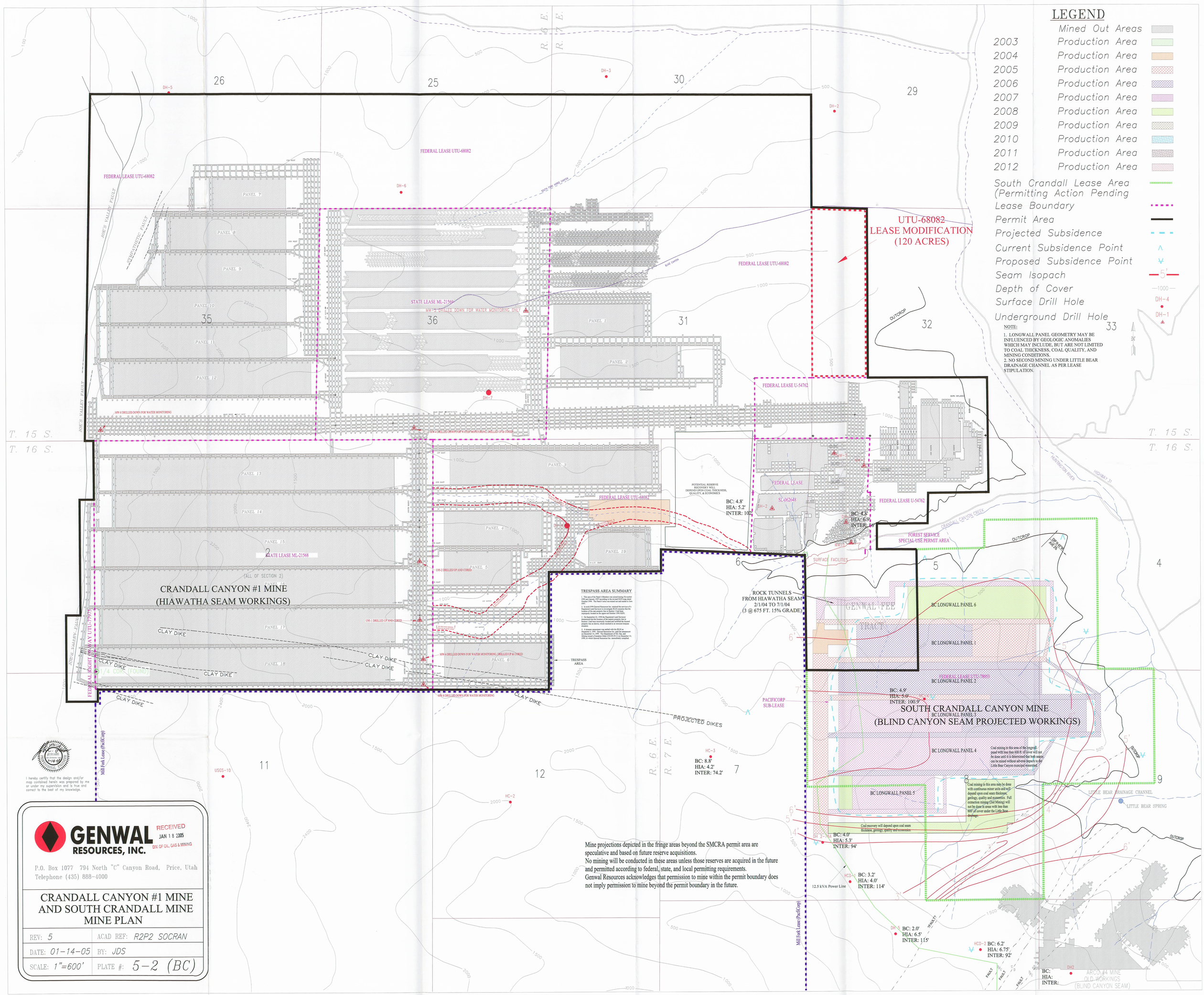
LEGEND
Mined Out Areas
2003 Production Area
2004 Production Area
2005 Production Area
2006 Production Area
2007 Production Area
2008 Production Area
2009 Production Area
2010 Production Area
2011 Production Area
2012 Production Area
South Crandall Lease Area (Permitting Action Pending
Lease Boundary
Permit Area
Projected Subsidence
Current Subsidence Point
Proposed Subsidence Point
Seam Isopach
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)
FEDERAL LEASE UTU-68082
FEDERAL LEASE U-54762
STATE LEASE ML-21569
STATE LEASE ML-21568
CRANDALL CANYON #1 MINE (HIAWATHA SEAM WORKINGS)
SOUTH CRANDALL CANYON MINE (BLIND CANYON SEAM PROJECTED WORKINGS)
ROCK TUNNELS FROM HIAWATHA SEAM 2/1/04 TO 7/1/04 (3 @ 675 FT. 15% GRADE)
TRESPASS AREA SUMMARY
TRESPASS AREA
CLAY DIKE
PROJECTED DIKES
PACIFICORP SUB-LEASE
FOREST SERVICE SPECIAL USE PERMIT AREA
SURFACE FACILITIES
GENWAL FEE TRACT
BC LONGWALL PANEL 1
BC LONGWALL PANEL 2
BC LONGWALL PANEL 3
BC LONGWALL PANEL 4
BC LONGWALL PANEL 5
BC LONGWALL PANEL 6
BC: 4.8' HIA: 5.2' INTER: 102'
BC: 4.8' HIA: 6.9' INTER: 86'
BC: 4.9' HIA: 5.0' INTER: 100.9'
BC: 8.8' HIA: 4.2' INTER: 74.2'
BC: 4.0' HIA: 5.3' INTER: 94'
BC: 3.2' HIA: 4.0' INTER: 114'
BC: 2.0' HIA: 6.5' INTER: 115'
BC: 6.2' HIA: 6.75' INTER: 92'
12.5 kVA Power Line
ARCO #4 MINE OLD WORKINGS (BLIND CANYON SEAM)
LITTLE BEAR DRAINAGE CHANNEL
LITTLE BEAR SPRING
OUTCROP
T. 15 S.
T. 16 S.
R. 6 E.
R. 7 E.
Mill Fork Lease (PacifiCorp)
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.
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.
RECEIVED JAN 18 2005 DIV. OF OIL, GAS & MINING
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: R2P2 SOCRAN
DATE: 01-14-05
BY: JDS
SCALE: 1"=600'
PLATE #: 5-2 (BC)