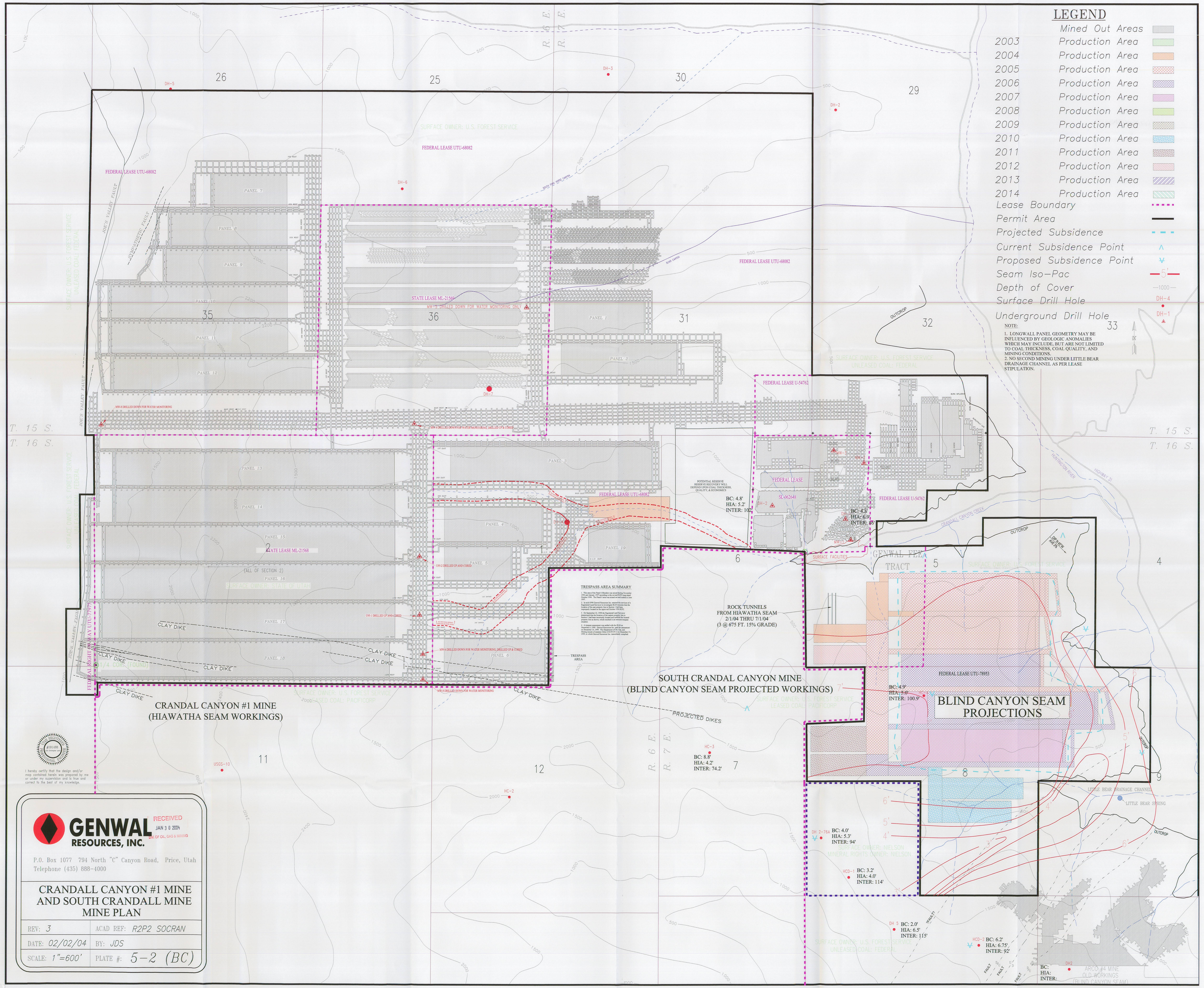
LEGEND
Mined Out Areas
2003 Production Area
2004 Production Area
2005 Production Area
2006 Production Area
2007 Production Area
2008 Production Area
2009 Production Area
2010 Production Area
2011 Production Area
2012 Production Area
2013 Production Area
2014 Production Area
Lease Boundary
Permit Area
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.
FEDERAL LEASE UTU-68082
STATE LEASE ML-21569
FEDERAL LEASE U-54762
FEDERAL LEASE UTU-78953
SURFACE OWNER: U.S. FOREST SERVICE
UNLEASED COAL: FEDERAL
SURFACE OWNER: U.S. FOREST SERVICE
LEASED COAL: PACIFICORP
SURFACE OWNER: NIELSON
MINERAL RIGHTS OWNER: NIELSON
SURFACE OWNER: STATE OF UTAH
JOE'S VALLEY FAULT
SYMPATHETIC FAULT
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
CLAY DIKE
PROJECTED DIKES
TRESPASS AREA
TRESPASS AREA SUMMARY
ROCK TUNNELS FROM HIAWATHA SEAM 2/1/04 THRU 7/1/04 (3 @ 675 FT. 15% GRADE)
SOUTH CRANDAL CANYON MINE (BLIND CANYON SEAM PROJECTED WORKINGS)
CRANDAL CANYON #1 MINE (HIAWATHA SEAM WORKINGS)
BLIND CANYON SEAM PROJECTIONS
GENWAL FEE TRACT
SURFACE FACILITIES
OUTCROP
HUNTINGTON RIVER
HIGHWAY 31
CRANDALL CANYON CREEK
LITTLE BEAR DRAINAGE CHANNEL
LITTLE BEAR SPRING
ARCO #4 MINE OLD WORKINGS (BLIND CANYON SEAM)
T. 15 S.
T. 16 S.
R. 6 E.
R. 7 E.
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'
BC: HIA: INTER:
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 3 0 2004 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: 3
ACAD REF: R2P2 SOCRAN
DATE: 02/02/04
BY: JDS
SCALE: 1"=600'
PLATE #: 5-2 (BC)