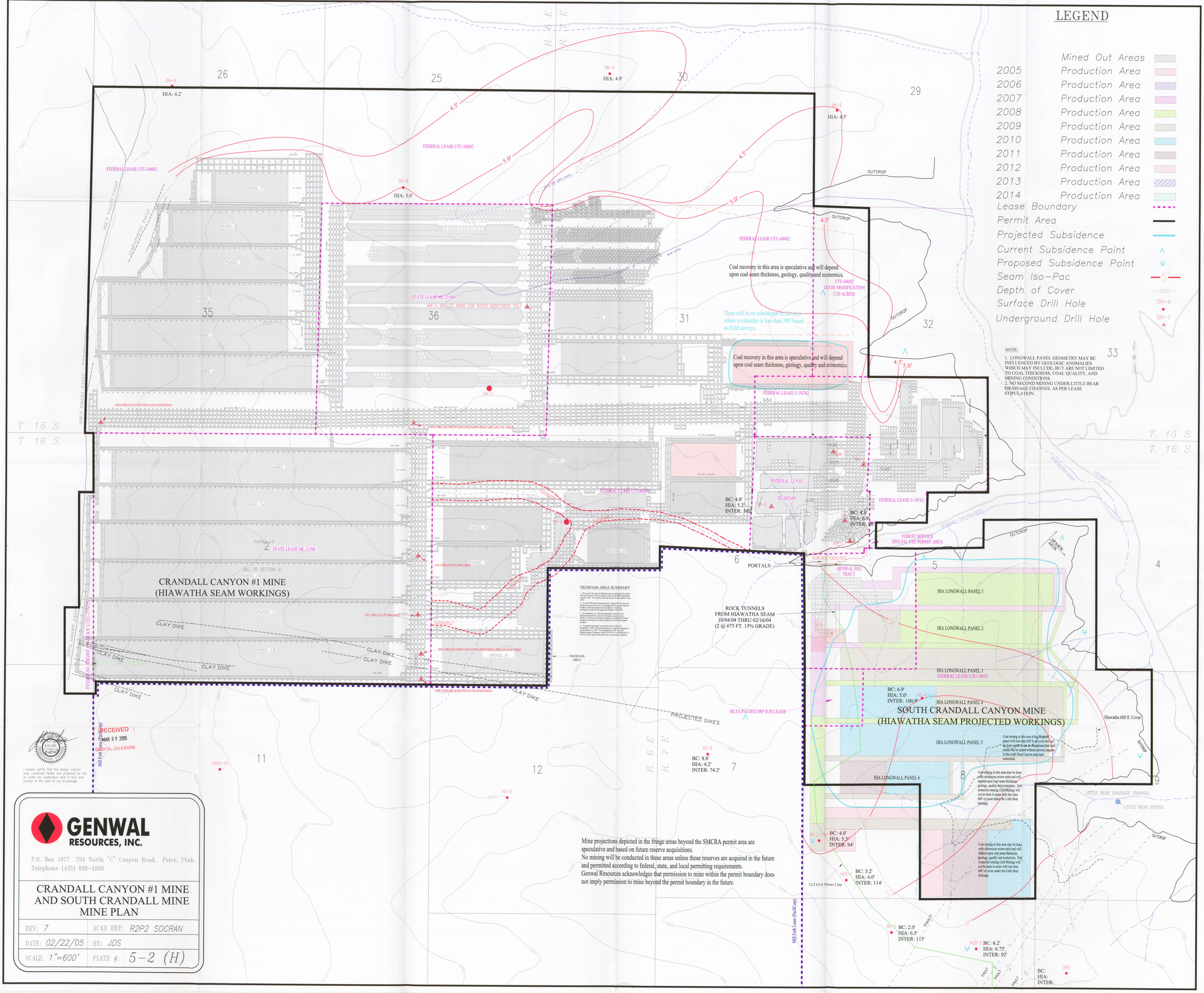
LEGEND
Mined Out Areas
2005 Production Area
2006 Production Area
2007 Production Area
2008 Production Area
2009 Production Area
2010 Production Area
2011 Production Area
2012 Production Area
2013 Production Area
2014 Production Area
Lease Boundary
Permit Area
Projected Subsidence
Current Subsidence Point
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.
CRANDALL CANYON #1 MINE
(HIAWATHA SEAM WORKINGS)
SOUTH CRANDALL CANYON MINE
(HIAWATHA SEAM PROJECTED WORKINGS)
FEDERAL LEASE UTU-68082
FEDERAL LEASE U-54762
STATE LEASE ML-21569
STATE LEASE ML-21568
FEDERAL LEASE UTU-78953
FOREST SERVICE SPECIAL USE PERMIT AREA
GENWAL FEE TRACT
SILTA/PACIFICORP SUB LEASE
PORTALS
ROCK TUNNELS FROM HIAWATHA SEAM 10/04/04 THRU 02/16/04 (2 @ 675 FT. 15% GRADE)
TRESPASS AREA SUMMARY
Coal recovery in this area is speculative and will depend upon coal seam thickness, geology, quality and economics.
There will be no subsidence in this area where overburden is less than 300' based on field surveys.
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.
RECEIVED
MAR 09 2005
DIV OF OIL, GAS & MINING
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: 7
ACAD REF: R2P2 SOCRAN
DATE: 02/22/05
BY: JDS
SCALE: 1"=600'
PLATE #: 5-2 (H)