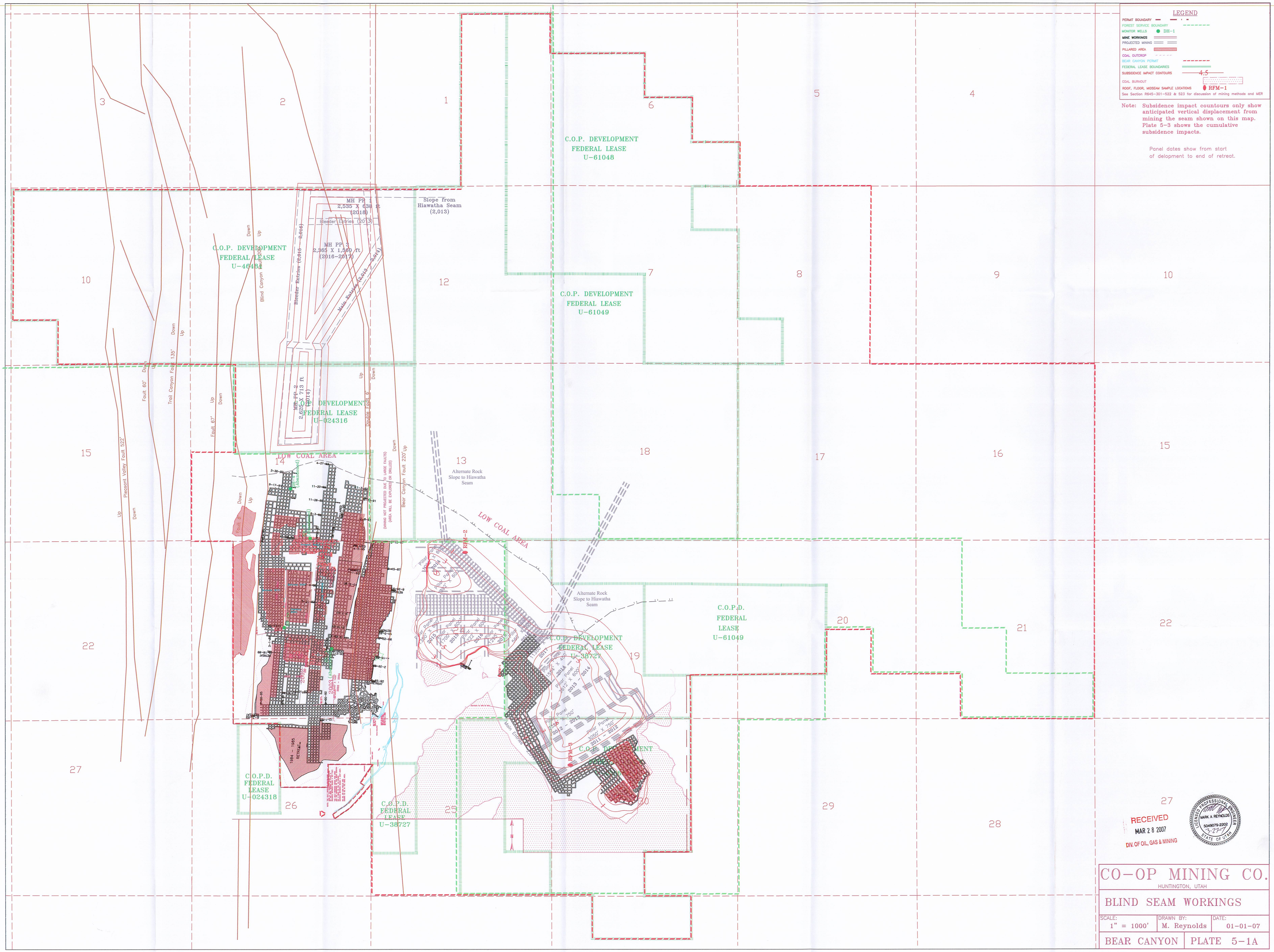
LEGEND
PERMIT BOUNDARY
FOREST SERVICE BOUNDARY
MONITOR WELLS DH-1
MINE WORKINGS
PROJECTED MINING
PILLARED AREA
COAL OUTCROP
BEAR CANYON PERMIT
FEDERAL LEASE BOUNDARIES
SUBSIDENCE IMPACT CONTOURS 4.5
COAL BURNOUT
ROOF, FLOOR, MIDSEAM SAMPLE LOCATIONS RFM-1
See Section R645-301-522 & 523 for discussion of mining methods and MER
Note: Subsidence impact countours only show anticipated vertical displacement from mining the seam shown on this map. Plate 5-3 shows the cumulative subsidence impacts.
Panel dates show from start of delopment to end of retreat.
C.O.P. DEVELOPMENT FEDERAL LEASE U-61048
C.O.P. DEVELOPMENT FEDERAL LEASE U-61049
C.O.P. DEVELOPMENT FEDERAL LEASE U-46435
C.O.P. DEVELOPMENT FEDERAL LEASE U-024316
C.O.P. DEVELOPMENT FEDERAL LEASE U-38727
C.O.P.D. FEDERAL LEASE U-61049
C.O.P.D. FEDERAL LEASE U-024318
C.O.P.D. FEDERAL LEASE U-38727
MH PP 1 2,535 X 638 ft (2018)
MH PP 3 2,365 X 1,560 ft (2016-2017)
MH PP 2 2,625 X 713 ft (2014)
Bleeder Entries (2013)
Bleeder Entries (2,016 - 2,018)
Main Entries (2,013 - 2,014)
Slope from Hiawatha Seam (2,013)
Alternate Rock Slope to Hiawatha Seam
LOW COAL AREA
Blind Canyon Seam
Trail Canyon Fault 1,35'
Fault 60'
Fault 67'
Pleasant Valley Fault 522'
Double Fault 6'
Bear Canyon Fault 220'
(areas not projected due to large faults) (area will be explored as built)
RFM-2
RFM-3
Pilot Panel 1060 X 700' 2018 - 2019
Pilot Panel 1060 X 700' 2017 - 2018
Pilot Panel 1060 X 700' 2016 - 2017
Pilot Panel 1060 X 700' 2015 - 2016
Pilot Panel 1060 X 700' 2014 - 2015
Pilot Panel 1060 X 700' 2013 - 2014
Pilot Panel 1060 X 700' 2012 - 2013
Pilot Panel 1060 X 700' 2011 - 2012
Main Entries
1984 - 1985 RETREAT
2002 RETREAT
2003 RETREAT
2004 RETREAT
2005 RETREAT
2006 RETREAT
2007 RETREAT
RECEIVED
MAR 2 8 2007
DIV. OF OIL, GAS & MINING
LICENSED PROFESSIONAL ENGINEER
MARK A. REYNOLDS
5049079-2202
STATE OF UTAH
CO-OP MINING CO.
HUNTINGTON, UTAH
BLIND SEAM WORKINGS
SCALE: 1" = 1000'
DRAWN BY: M. Reynolds
DATE: 01-01-07
BEAR CANYON
PLATE 5-1A