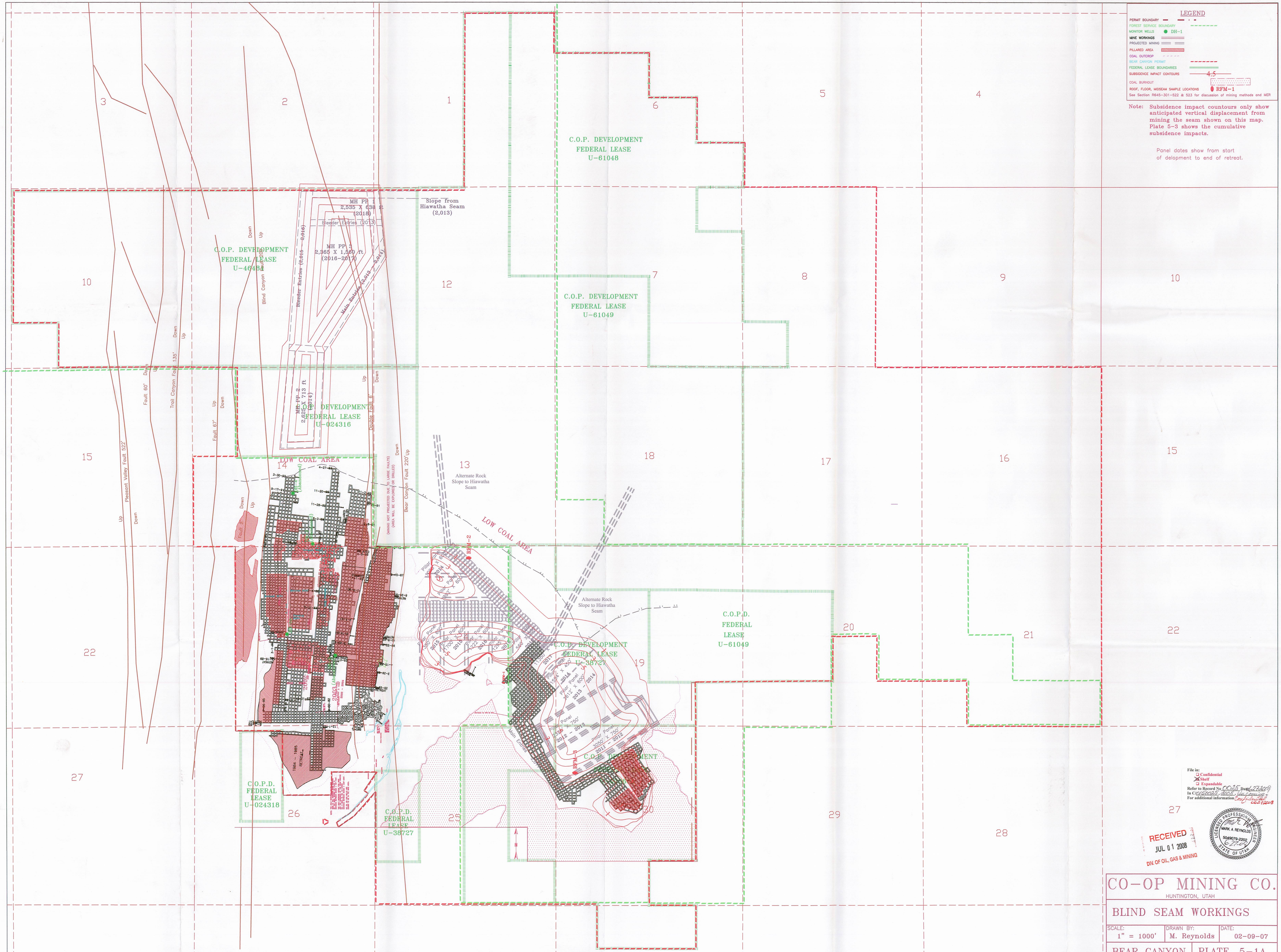
LEGEND
PERMIT BOUNDARY
FOREST SERVICE BOUNDARY
MONITOR WELLS DH-1
MINE WORKINGS
PROJECTED MINING
PILLARED AREA
COAL OUTCROP
BEAR CANYON PERMIT
FEDERAL LEASE BOUNDARIES
SUBSIDENCE IMPACT CONTOURS 4-5
COAL BURNOUT
ROOF, FLOOR, MIDSEAM SAMPLE LOCATIONS RFM-1
See Section R645-301-522 & 523 for discussion 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-024318
C.O.P.D. FEDERAL LEASE U-38727
C.O.P.D. FEDERAL LEASE U-61049
MH PP 1 2,535 X 638 ft (2018)
MH PP 2 2,825 X 713 ft (2013-2014)
MH PP 3 2,365 X 1,560 ft (2016-2017)
Slope from Hiawatha Seam (2,013)
Alternate Rock Slope to Hiawatha Seam
Bleeder Entries (2013)
Bleeder Entries (2015 - 2016)
Main Entries (2018 - 2019)
Blind Canyon Fault 220' Up
Trail Canyon Fault 135' Down
Fault 60' Down
Fault 67' Up
Fault 522' Down
Pleasant Valley Fault 522' Up
Double Fault 6' Down
Bear Canyon Fault 220' Up
LOW COAL AREA
RFM-2
RFM-5
Pillar Panel 1 2015 - 2016
Pillar Panel 2 2016 - 2017
Pillar Panel 3 2017 - 2018
Pillar Panel 4 2018 - 2019
Pillar Panel 5 2019 - 2020
Pillar Panel 6 2020 - 2021
Pillar Panel