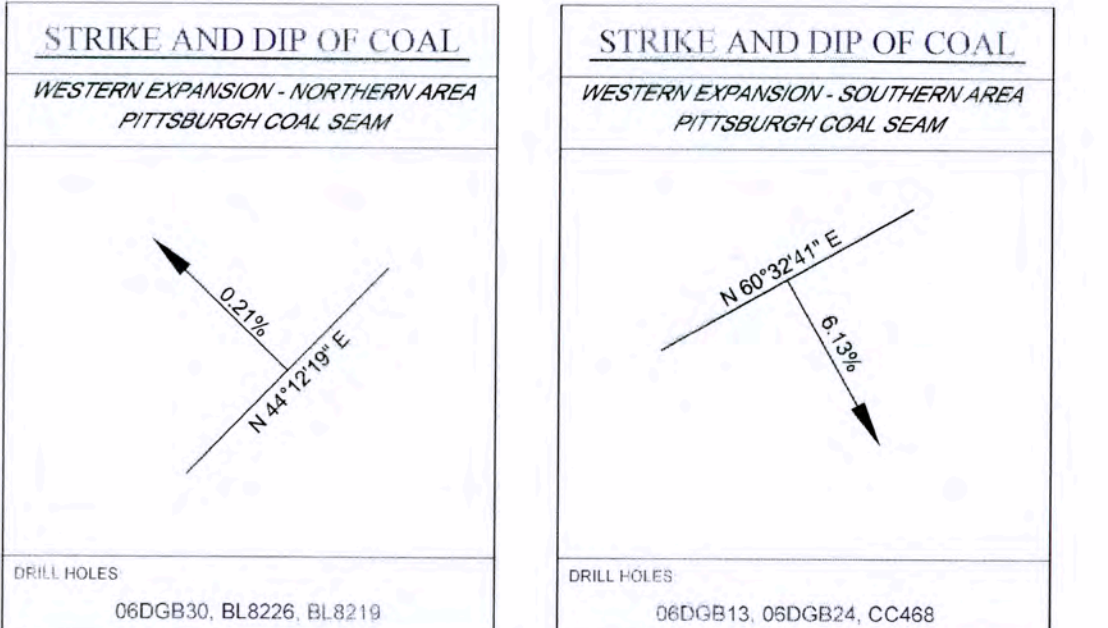


AREA WITHIN PERMIT AREA NOT INCLUDED IN S.C.P.A.
 PERMIT AND DEVELOPMENT ONLY S.C.P.A. MINING



- LEGEND**
- SCPA BOUNDARY
 - CAMP BOUNDARY
 - 1000' FROM SUBSIDENCE BOUNDARY ADDITION
 - POLITICAL SUBDIVISION
 - SURFACE PROPERTY OWNERSHIP
 - HORIZONTAL METHANE DE-GAS WELLS
 - BORHOLE
 - PLUGGED BORHOLE
 - PERMITTED BUT NOT DRILLED BORHOLE
 - GEOLOGIC/EXPLORATION CORE HOLE
 - SURFACE ACTIVITY SITE
 - COMPLETED DEVELOPMENT MINING AREAS
 - COMPLETED LONGWALL MINING
 - ESTIMATED MINING DATE WITH DIRECTION OF MINING
 - MINING SHAFT - OPEN
 - MINING SHAFT - SEALED
 - STREAM FLOW MONITORING POINT
 - SURFACE WATER MONITORING POINT
 - SURFACE AND FLOW MONITORING POINT
 - WATER SUPPLY (9-WELL 5-SPRING) PIEZOMETER
 - 8.15 MONITORING POINTS
 - PENDING AVAILABLE ACCESS
 - NON-COMMUNITY PUBLIC WATER SUPPLY
 - APPENDIX B SAMPLING AREA
 - STREAM RESTORATION AREA
 - PREDICTED STREAM POOLING AREA
 - GAME COMMISSION BOUNDARY
 - PAVED ROAD
 - UNPAVED ROAD/DRIVEWAY
 - NO ACCESS TO STREAM
 - DIVERSE STREAM
 - VARIABLE STREAM
 - UPLAND STREAM WITH CHANNEL
 - NO CHANNEL
 - UNSURVEYED STREAM
 - UNSURVEYED TRIBUTARY
 - WATER IMPOUNDMENTS OVER 20 ACRE-FOOT
 - SURFACE CONTOUR INDEX LINE (100' INTERVAL)
 - INTERMEDIATE CONTOUR (20' INTERVAL)
 - BOTTOM PITTSBURGH COAL CONTOUR LINE (20' INTERVAL)
 - ACTIVE GAS OR OIL WELL LOCATIONS
 - PLUGGED GAS OR OIL WELL LOCATIONS
 - GAS PIPELINES
 - POWER LINES (POLE)
 - POWER LINES (TOWER)
 - GEOLOGIC CROSS SECTION
 - WETLANDS
 - POND

- STRUCTURE & STRUCTURE CODE**
- D DWELLING
 - T TRAILER
 - B BARN
 - G GARAGE
 - CH CHURCH
 - CB COMMERCIAL BUILDING
 - OB OUT BUILDING
 - AB ABANDONED BUILDING
 - R RUNS
 - STRUCTURE - APPROXIMATE LOCATION
 - ACT 54 SECTION 5.4 (D) (3)
 - STRUCTURES (CHURCHES, SCHOOLS, ETC.)
- STRUCTURES LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES FOR DETAILED INFORMATION.
- STRUCTURES DEEMED TO BE ELIGIBLE TO BE LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES BY THE PENNSYLVANIA HISTORICAL MUSEUM COMMISSION REFER TO MODULE 22.1N FOR DETAILED INFORMATION.
- NOTES:
 FINAL ZONES OF PROTECTION AND ASSOCIATED SURVEY AREAS WILL BE BASED ON ACTUAL PUMP TEST DATA IN ACCORDANCE WITH THE DEP. ISSUED PROGRAM DESIGN MANUAL (PGM) FOR PUBLIC WATER SUPPLY WELL PROTECTION.

NOTES:
 REFER TO MODULE 5 FOR SURFACE AND PITTSBURGH COAL SEAM OWNERSHIP
 REFER TO MODULE 7 FOR CORE HOLE DATA
 REFER TO MODULE 8 FOR WELL AND SPRING INFORMATION CONTAINED IN GROUND WATER INVENTORY
 REFER TO MODULE 22.7/22.8 FOR STRUCTURE INVENTORY
 ALL MINE OPENINGS ARE SHOWN ON 6.1 MAP. INFORMATION FOR ALL MINE OPENINGS ARE SHOWN IN MODULE 23.1A

NOTES:
 WETLANDS SHOWN WERE EITHER IDENTIFIED BY CEC (2010) OR ARE DERIVED FROM NATIONAL WETLANDS INVENTORY MAPS.
 THIS MAP HAS BEEN PREPARED FROM TAX MAPS, DEEDS AND FIELD EVIDENCE. THIS DOES NOT REPRESENT AN ACTUAL SURVEY OF PROPERTIES.
 PIPELINE LOCATIONS AND RELATED INFORMATION ARE BASED ON INFORMATION PROVIDED BY THE INDIVIDUAL COMPANIES AND/OR THEIR REPRESENTATIVES.
 COORDINATE SYSTEM DATUM IS NAD83
 EXTRACTION RATE WILL BE 50% OR LESS UNDER ANY SUPPORT AREA OF STATE ROADS.

EXHIBIT 6.3/22.4
ENVIRONMENTAL RESOURCE MAP
SUBSIDENCE CONTROL PLAN MAP
SHEET 1
 THE MONONGALIA COUNTY COAL COMPANY
 MONONGALIA COUNTY MINE
 MINING ACTIVITY PERMIT NO. 30841312
 JACKSON, GLAMORE, ALEXANDER, SPRINGFIELD & FREESTON TOWNSHIPS, GREENE COUNTY
 PITTSBURGH NO. 8 COAL SEAM
 AUGUST 2020 SCALE 1"=500'

DRAWN [] CHECKED []

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS DRAWING CONTAINS ACCURATE INFORMATION AND HAS BEEN COMPILED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE.

Kevin J. Pappas
 REGISTERED PROFESSIONAL ENGINEER