

# HELVETIA COAL COMPANY MARSHALL RUN MINE PERMIT NO. 32921302 UPPER KITTANNING SEAM CONEMAUGH AND YOUNG TOWNSHIPS INDIANA COUNTY, PENNSYLVANIA POSTING DATE 3-1-97 TO 9-1-97

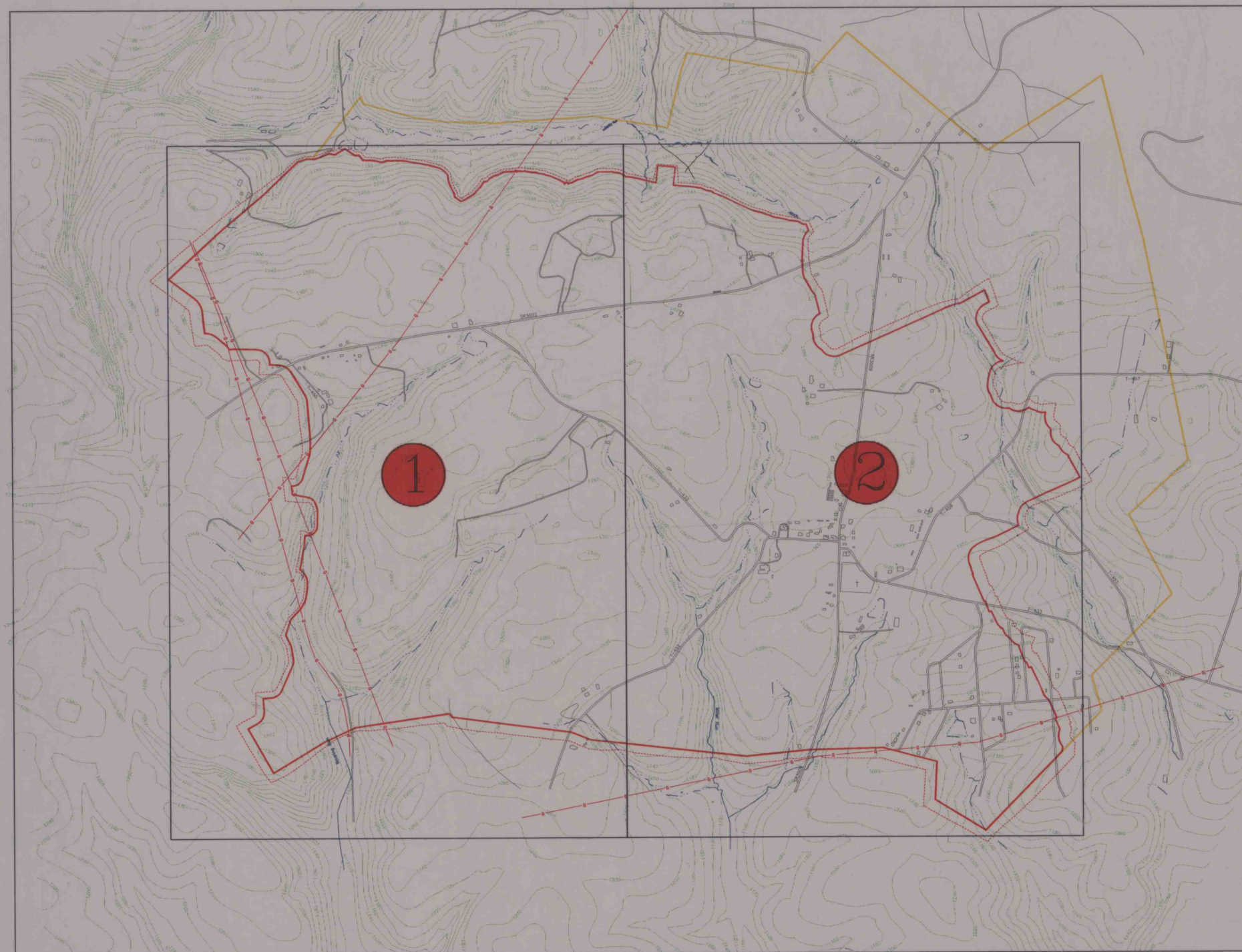


SEAL —

SIGNATURE *David A. Coblough*

MAPS DEPICT CONTEMPLATED MINING  
FROM 3-1-1997  
TO 9-1-1997

PREPARED BY MICHAEL P. KEITH



SCALE 1" = 1000'

INDEX FOR 1" = 200' MINE MAPS  
MCINTYRE U.S.G.S. QUADRANGLE  
● = MAPS SUBMITTED

## LEGEND

- |  |  |  |
|--|--|--|
| ○ GAS WELL   | ● BOREHOLE (MINE OPENINGS)                           | — BRIDGE                                 |
| ⊙ WATER WELL                                       | ○ DRILL HOLE   | — CULVERT                                |
| ☼ SPRING   | ☒ STRUCTURE  | — RAILROAD                               |
| ☪ POND/IMPOUNDMENT                                 | ☒ PROTECTED STRUCTURE                                | — SWAMP/MARSH                            |
| ▨ FLOW MEASUREMENT PT.                             | ○ BACKGROUND GROUNDWATER SAMPLE PT.                  | — DITCH - OR DRAINS                      |
| — PERENNIAL STREAM                                 | ⊙ EXISTING GROUNDWATER MONITORING PT.                | — TOE OF SPOIL, ROCK OR COAL REFUSE PILE |
| — INTERMITTENT STREAM                              | ★ BACKGROUND SURFACE SAMPLE PT.                      | — CHURCH                                 |
| — PIPELINE/U-GROUND CABLE size, oil or gas labeled | ⊕ SURFACE WATER MONITORING PT. (existing & proposed) | — CEMETERY                               |
| — PROPERTY LINE                                    | P.W.S. PUBLIC WATER SUPPLY                           | — PILLARED                               |
| — POWER LINE (500 KVA or larger)                   |  | [NUMBER] COAL OWNER - KEYED TO MODULE 5  |
| — COAL CONTOUR LINE                                |  | name SURFACE OWNER                       |
| — CROPLINE   |  |  |
| — FAULT or LOW COAL LINE                           |  |  |
| — 1000' PERIMETER LINE                             |  |  |
| S.R. 3020 STATE ROAD                               |  |  |
| T-626 TOWNSHIP ROAD                                |  |  |
| — UNIMPROVED ROAD                                  |  |  |

## NOTES:

1. SURFACE PROPERTY LINES ARE SUPPLEMENTED BY COUNTY TAX ASSESSMENT MAPS AND ARE NOT BASED ON ACTUAL SURVEY.
2. FIRST MINING INDICATES NO PILLAR REMOVAL.
3. ALL ENTRIES TO BE MINED AT A NOMINAL WIDTH OF 20 FEET EXCEPT BELT/TRACK ENTRIES WHICH ARE TO BE MINED AT 22 FOOT NOMINAL WIDTH.
4. ALL MINING WITHIN 50% MINING AREA IS DONE ON CENTER LINE OF PROJECTIONS.
5. ANY PILLAR THAT FALLS WITHIN OR PARTIALLY WITHIN A 50% AREA SHALL BE LEFT TOTALLY INTACT.

IMAPS 10099