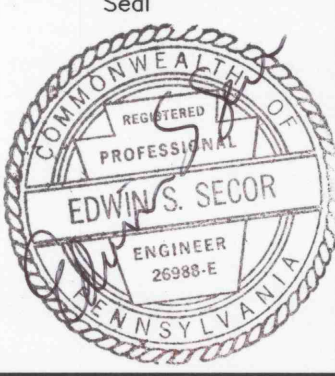


### LOWER KITTANNING PROPOSED MINING FORECAST

The following Sub-area Forecast represents Development Mining. Retreat Mining may overlap previously developed areas.

- First Year (39)
- Second Year (40)
- Third Year (40)
- Fourth Year (40)
- Fifth Year (40)



## VALLEY COAL COMPANY LEONARD RUN NO. 1 MINE

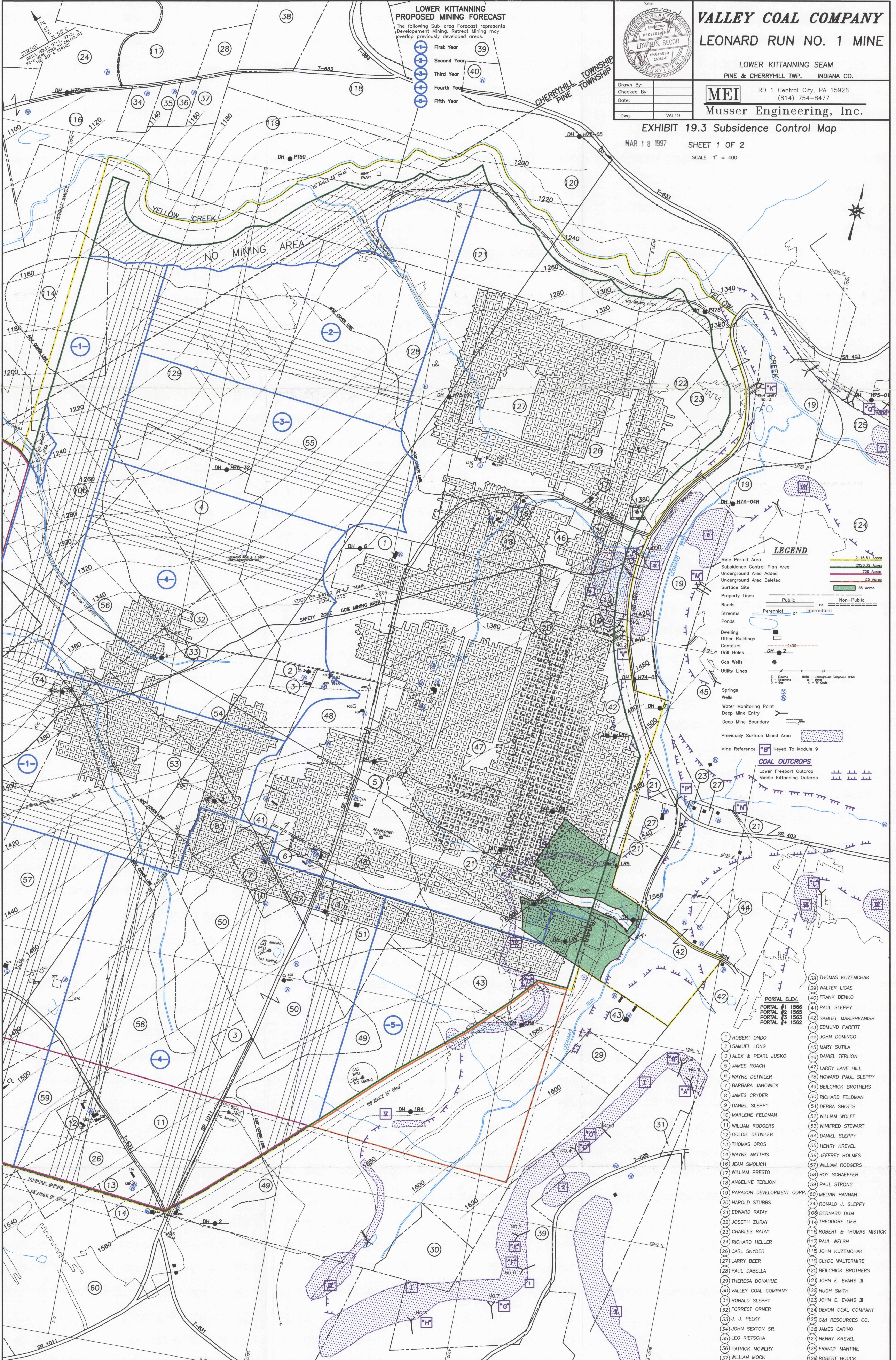
LOWER KITTANNING SEAM  
PINE & CHERRYHILL TWP. INDIANA CO.

**MEI** RD 1 Central City, PA 15926  
(814) 754-8477  
**Musser Engineering, Inc.**

Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Date: \_\_\_\_\_  
Dwg. VAL19

### EXHIBIT 19.3 Subsidence Control Map

MAR 18 1997 SHEET 1 OF 2  
SCALE 1" = 400'



#### LEGEND

- Mine Permit Area (2116.61 Acres)
- Subsidence Control Plan Area (2026.32 Acres)
- Underground Area Added (729 Acres)
- Underground Area Deleted (55 Acres)
- Surface Site (25 Acres)
- Property Lines (Public or Non-Public)
- Roads (Perennial or Intermittent)
- Streams
- Ponds
- Dwelling
- Other Buildings
- Contours
- Drill Holes (DH #)
- Gas Wells
- Utility Lines
- Springs
- Wells
- Water Monitoring Point
- Deep Mine Entry
- Deep Mine Boundary
- Previously Surface Mined Area
- Mine Reference (Keyed To Module 9)
- COAL OUTCROPS**
  - Lower Freeport Outcrop
  - Middle Kittanning Outcrop

- PORTAL ELEV.**
- PORTAL #1 1566
  - PORTAL #2 1565
  - PORTAL #3 1563
  - PORTAL #4 1562

- 1 ROBERT ONDO
- 2 SAMUEL LONG
- 3 ALEX & PEARL JUSKO
- 4 JAMES ROACH
- 5 WAYNE DETWILER
- 6 BARBARA JANOWICK
- 7 JAMES CRYDER
- 8 DANIEL SLEPPY
- 9 MARLENE FELDMAN
- 10 WILLIAM RODGERS
- 11 GOLDIE DETWILER
- 12 THOMAS OROS
- 13 WAYNE MATTHIS
- 14 JEAN SMOLICH
- 15 WILLIAM PRESTO
- 16 ANGELINE TERLION
- 17 PARAGON DEVELOPMENT CORP.
- 18 HAROLD STUBBS
- 19 EDWARD RATAY
- 20 JOSEPH ZURAY
- 21 CHARLES RATAY
- 22 RICHARD HELLER
- 23 CARL SNYDER
- 24 LARRY BEER
- 25 PAUL DABELLA
- 26 THERESA DONAHUE
- 27 VALLEY COAL COMPANY
- 28 RONALD SLEPPY
- 29 FORREST ORNER
- 30 J. J. PELKY
- 31 JOHN SEXTON SR.
- 32 LEO RIETSCHA
- 33 PATRICK MOWERY
- 34 WILLIAM MOCK
- 35 WALTER LIGAS
- 36 FRANK BENKO
- 37 PAUL SLEPPY
- 38 SAMUEL MARISHKANISH
- 39 EDMUND PARFITT
- 40 JOHN DOMINGO
- 41 MARY SUTLA
- 42 DANIEL TERLION
- 43 LARRY LANE HILL
- 44 HOWARD PAUL SLEPPY
- 45 BEILCHICK BROTHERS
- 46 RICHARD FELDMAN
- 47 DEBRA SHOTTS
- 48 WILLIAM WOLFE
- 49 WINIFRED STEWART
- 50 DANIEL SLEPPY
- 51 HENRY KREVEL
- 52 JEFFREY HOLMES
- 53 WILLIAM RODGERS
- 54 ROY SCHAEFFER
- 55 PAUL STRONG
- 56 MELVIN HANNAH
- 57 RONALD J. SLEPPY
- 58 BERNARD DUM
- 59 THEODORE LIEB
- 60 ROBERT & THOMAS MISTICK
- 61 PAUL WELSH
- 62 JOHN KUZEMCHAK
- 63 CLYDE WALTERMIRE
- 64 BEILCHICK BROTHERS
- 65 JOHN E. EVANS III
- 66 HUGH SMITH
- 67 JOHN E. EVANS III
- 68 DEVON COAL COMPANY
- 69 C&I RESOURCES CO.
- 70 JAMES CARINO
- 71 HENRY KREVEL
- 72 FRANCY MANTINE
- 73 ROBERT HOUCK