EXHIBIT A , MAP A-1

GREENWICH COLLIERIES

NO'S 1 AND 2 MINES

DIV. OF PENNSYLVANIA MINES CORP.

C. M. A. P. No. 32841302

GREEN & MONTGOMERY TWPS. INDIANA CO., PA.

- SUBSIDENCE CONTROL PLAN BOUNDARY
- PERMIT BOUNDARY (LOWER FREEPORT "D" SEAM)
- PROTECTED FEATURE (per Section 89.143(b)(1))
- D SEAM BOTTOM ELEVATION CONTOUR — 1100
- DIAMOND DRILL HOLE NUMBER
- SURFACE ELEVATION
- BOTTOM OF COAL ELEVATION

- DISCHARGE POINTS
- SURFACE MONITORING POINTS
- GROUNDWATER MONITORING POINTS

DATE: JULY 16, 1990

REVISED: DEC 17 1990

DEC 20 1990

COMMONWEALTH OF PENNSYLVANIA
DAVID ALAN COBAUGH
REGISTERED PROFESSIONAL ENGINEER

Dept. of Environmental Resources
Mine Subsidence Engineer

MAP A-1, SHEET (D) POSTED TO 5-1-90

1" = 400'

GREEN_1_2_400-D