



**LEGEND**

- J & L STEEL CORP. CONTROLLED PROPERTY
- J&L-20 DRILL HOLES (J&L STEEL CORP)
- M-7 DRILL HOLES (OTHERS)
- (P) — OUTCROP-PITTSBURGH SEAM
- ▲ 100' MINING DATA POINTS (J&L STEEL CORP)
- △ 20' MINING DATA POINTS (JOHN T BOYD CO.)
- 7% — % ASH CONTENT (ROM-DRY BASIS)
- ▨ MINE WORKINGS
- GAS WELLS
- ACTIVE MINE FACE AREAS

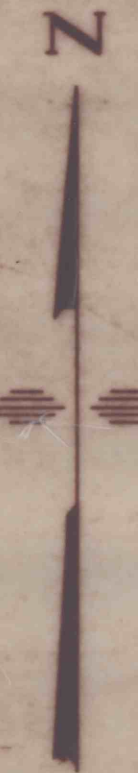
**RAW COAL ASH CONTENT ZONES**

	- 18%		19%-20%
	18%-19%		+ 20%

NOTE COORDINATE SYSTEM (GRIDS)  
J & L STEEL CORPORATION

MAP SHOWING  
%ASH CONTENT-(ROM DRY)  
PITTSBURGH SEAM  
SHANNOPIN PROPERTIES  
GREENE CO., PENNSYLVANIA  
PREPARED FOR  
JONES & LAUGHLIN STEEL CORPORATION  
SCALE 1" = 2000 FT.

JOHN T BOYD COMPANY  
MINING & GEOLOGICAL ENGINEERS  
JANUARY 1978  
EXHIBIT 5



5,000 E 10,000 E 15,000 E 20,000 E 25,000 E 30,000 E 35,000 E 40,000 E 45,000 E

55,000 N 50,000 N 45,000 N 40,000 N 35,000 N 30,000 N 25,000 N

GREENE CO. PENNSYLVANIA  
MONONGALIA CO. WEST VIRGINIA