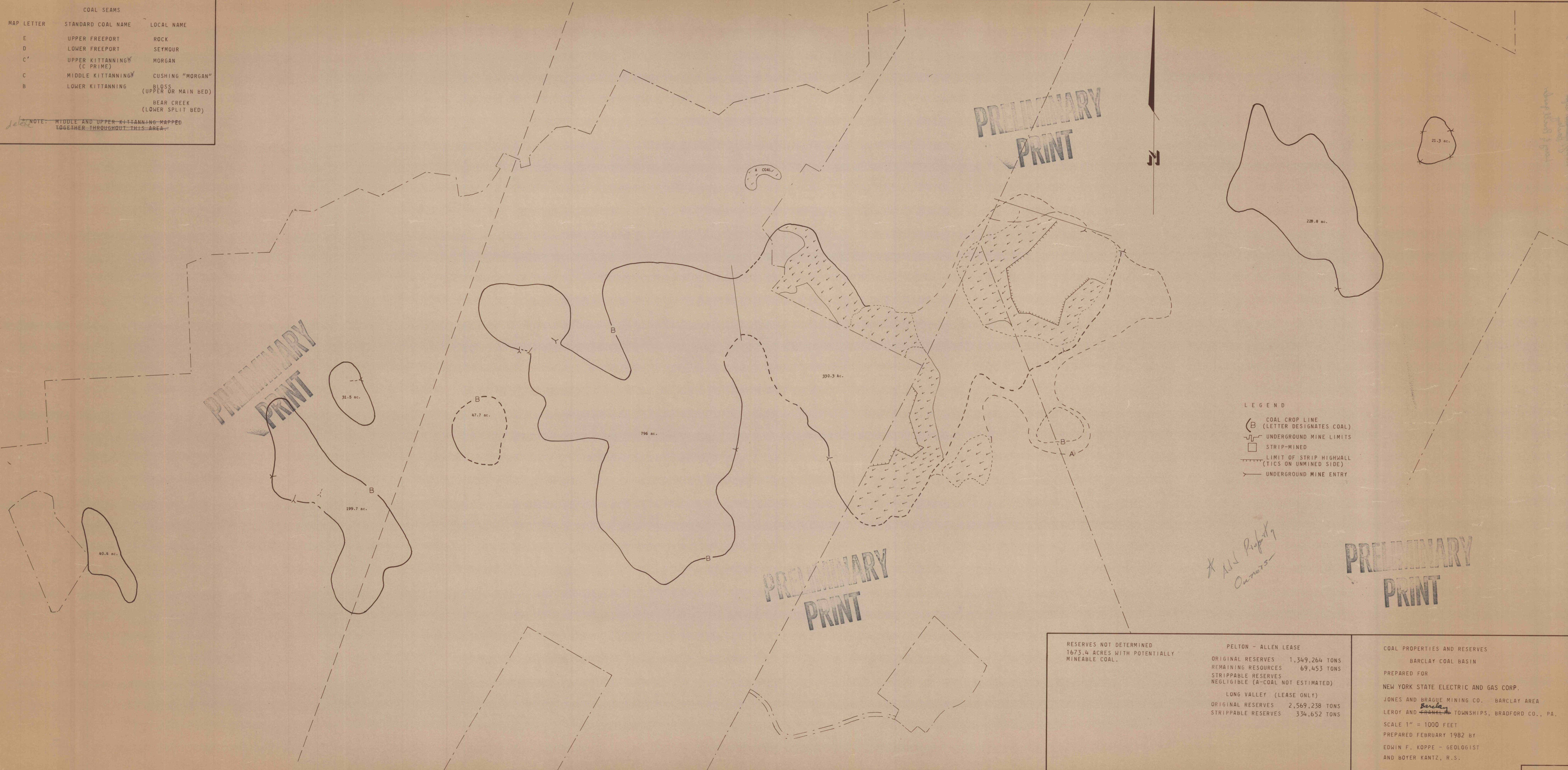


| COAL SEAMS |                               |   |
|------------|-------------------------------|---|
| MAP LETTER | STANDARD COAL NAME            | LOCAL NAME  |
| E          | UPPER FREEPORT                | ROCK  |
| D          | LOWER FREEPORT                | SEYMOUR   |
| C'         | UPPER KITTANNING<br>(C PRIME) | MORGAN  |
| C          | MIDDLE KITTANNING             | CUSHING "MORGAN"  |
| B          | LOWER KITTANNING              | BLOSS<br>(UPPER OR MAIN BED)<br>BEAR CREEK<br>(LOWER SPLIT BED) |

*John* NOTE: MIDDLE AND UPPER KITTANNING MAPPED TOGETHER THROUGHOUT THIS AREA.



- LEGEND
- (B) COAL CROP LINE (LETTER DESIGNATES COAL)
  - - - UNDERGROUND MINE LIMITS
  - ▨ STRIP-MINED
  - ▬ LIMIT OF STRIP HIGHWALL (TICS ON UNMINED SIDE)
  - X—X— UNDERGROUND MINE ENTRY

*\* All Property Owners*

| RESERVES NOT DETERMINED                      | PELTON - ALLEN LEASE               |
|--|------------------------------------|
| 1673.4 ACRES WITH POTENTIALLY MINEABLE COAL. | ORIGINAL RESERVES 1,349,264 TONS   |
|  | REMAINING RESOURCES 69,453 TONS    |
|  | STRIPPABLE RESERVES                |
|  | NEGLECTIBLE (A-COAL NOT ESTIMATED) |
|  | LONG VALLEY (LEASE ONLY)           |
|  | ORIGINAL RESERVES 2,569,238 TONS   |
|  | STRIPPABLE RESERVES 334,652 TONS   |

COAL PROPERTIES AND RESERVES  
 BARCLAY COAL BASIN  
 PREPARED FOR  
 NEW YORK STATE ELECTRIC AND GAS CORP.  
 JONES AND BRAGUE MINING CO. BARCLAY AREA  
 LEROY AND ~~FRANK~~ <sup>Barclay</sup> TOWNSHIPS, BRADFORD CO., PA.  
 SCALE 1" = 1000 FEET  
 PREPARED FEBRUARY 1982 BY  
 EDWIN F. KOPPE - GEOLOGIST  
 AND BOYER KANTZ, R.S.