

**COAL SEAMS**

Map Letter	Standard Coal Name	Local Name
E	Upper Freeport	Rock
D	Lower Freeport	Seymour
C'	Upper Kittanning*	Morgan
C	Middle Kittanning*	Cushing, "Morgan"
B	Lower Kittanning	Bloss Upper or Main Bed Bear Creek (Lower Split Bed)

\* Note: Middle and Upper Kittanning mapped together throughout this AREA as C+C'



**AREA 12**  
 Original Reserves - 406,188  
 Remaining Resources - 184,427  
 Strippable Reserves - not determined  
 TOGO STATE FOREST  
 Comm of Penna - Surface Owner  
 MRC MC Co Mineral Owner

**AREA 13**  
 Original Reserves - 576,762  
 Remaining Resources - 73,872  
 Strippable Reserves - not determined  
 13 AREA

**RESERVES**

AREA	As ORIGINAL RESERVES	Remaining Resources	Strippable Reserves
AREA 12 (877)	406,188	184,427	not determined
AREA 13 (448)	576,962	73,872	not determined
AREA 14 (87)	493,775	116,154	not determined
AREA 15 (168)	1,994,436	288,630	not determined
AREA 16 (164)	1,540,728	236,439	202,419
AREA 17 (165)	1,361,124	240,144	30,092
AREA 18 (321)	2,956,176	1,519,165	1,350,270
AREA 19 (715)	6,570,396	1,713,625	902,007
AREA 20 (715)	17,633,207	9,104,615	9,104,615
AREA 21 (775)	NOT AVAILABLE		

PLATE 4A

J+B  
 Fall Brook  
 MRC  
 Hamilton - Ward Twp.