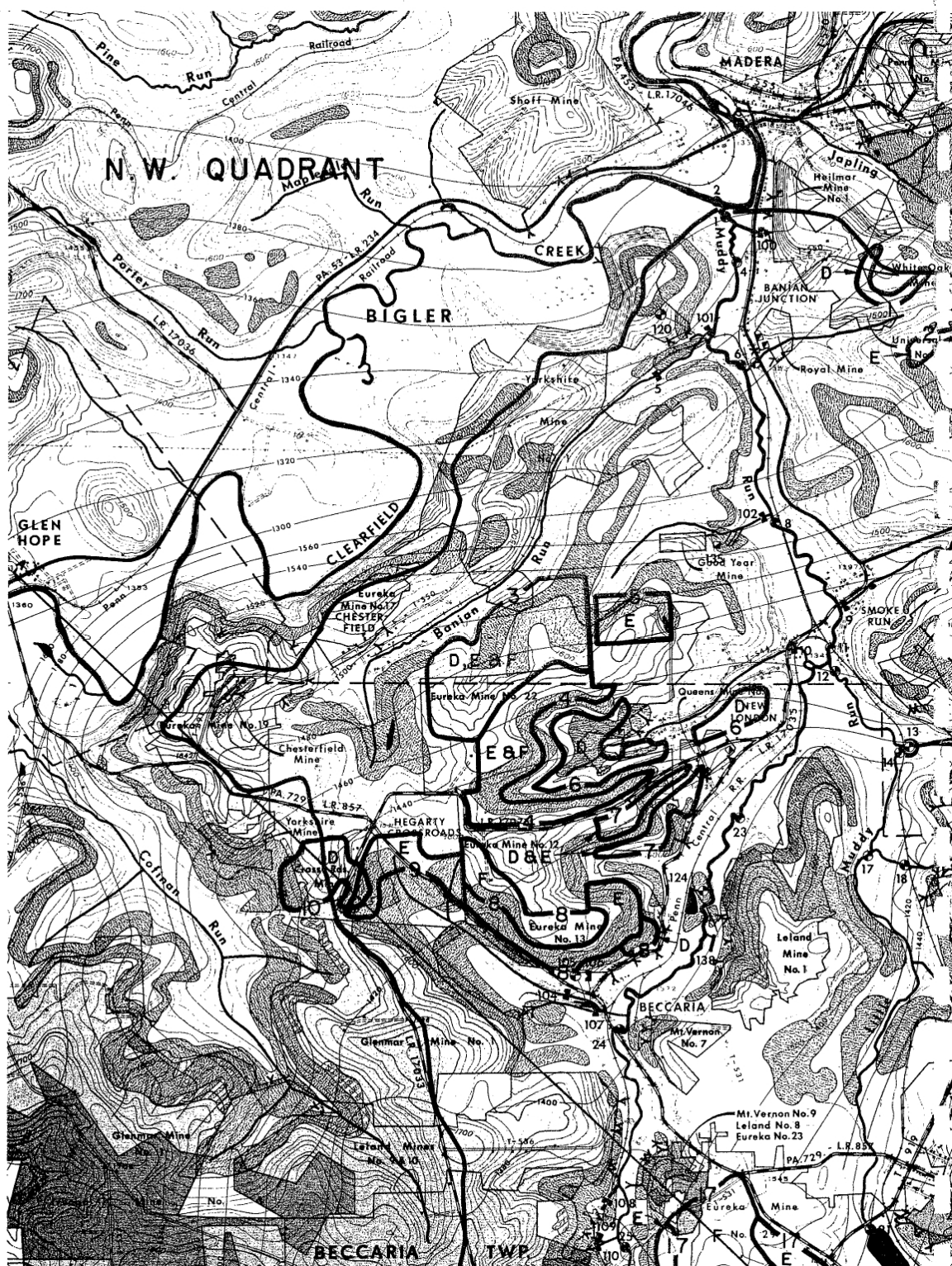
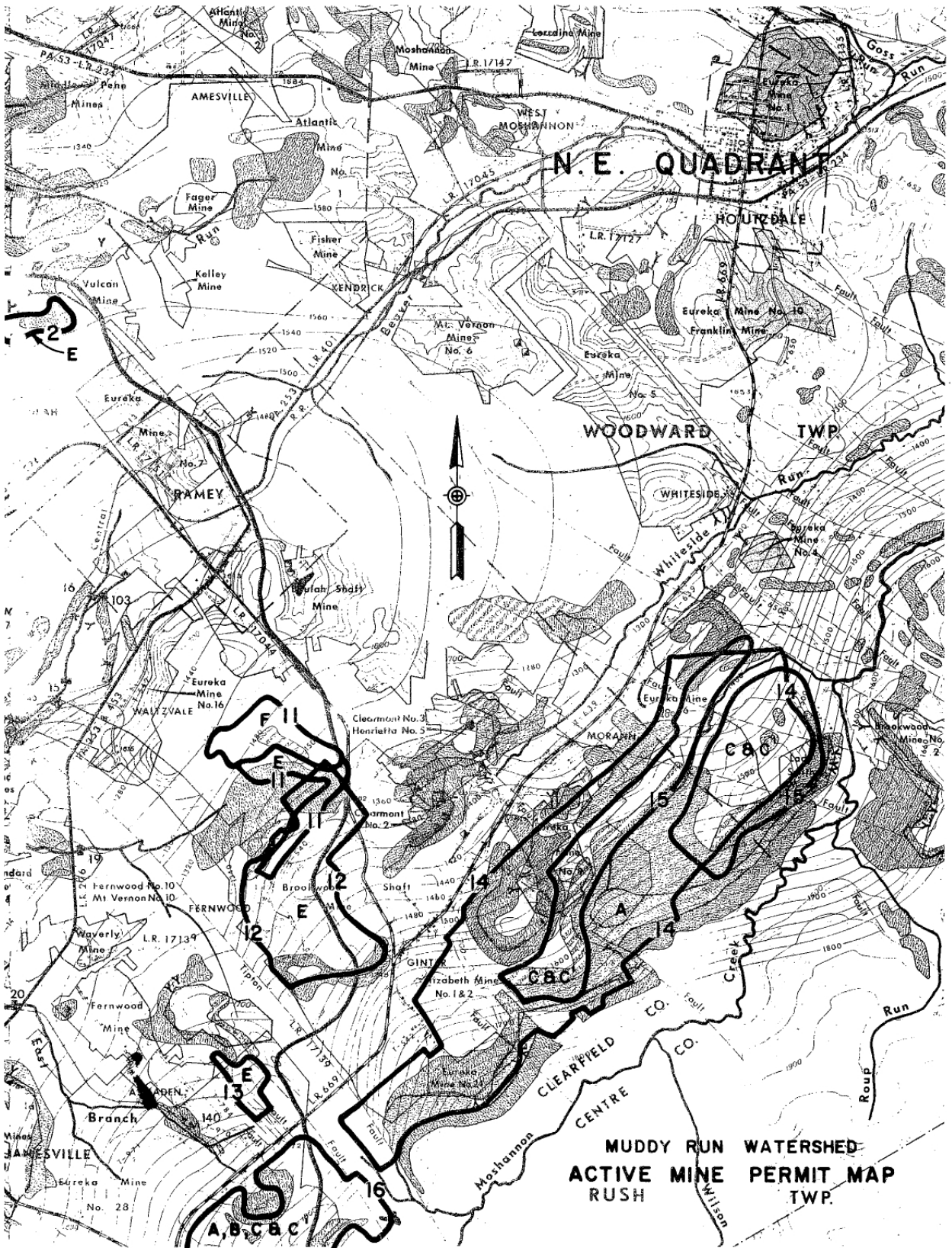
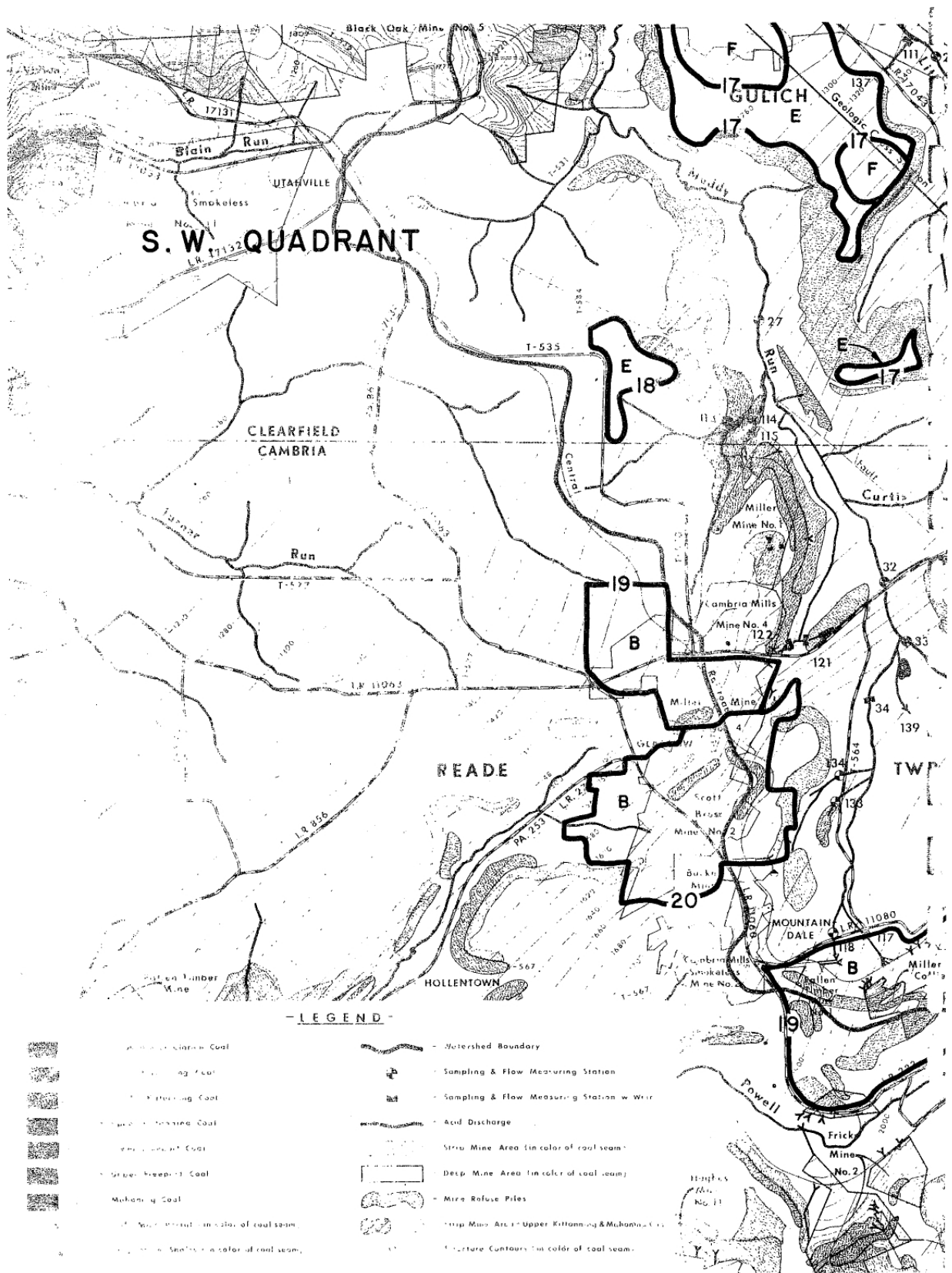


**ACTIVE MINING**

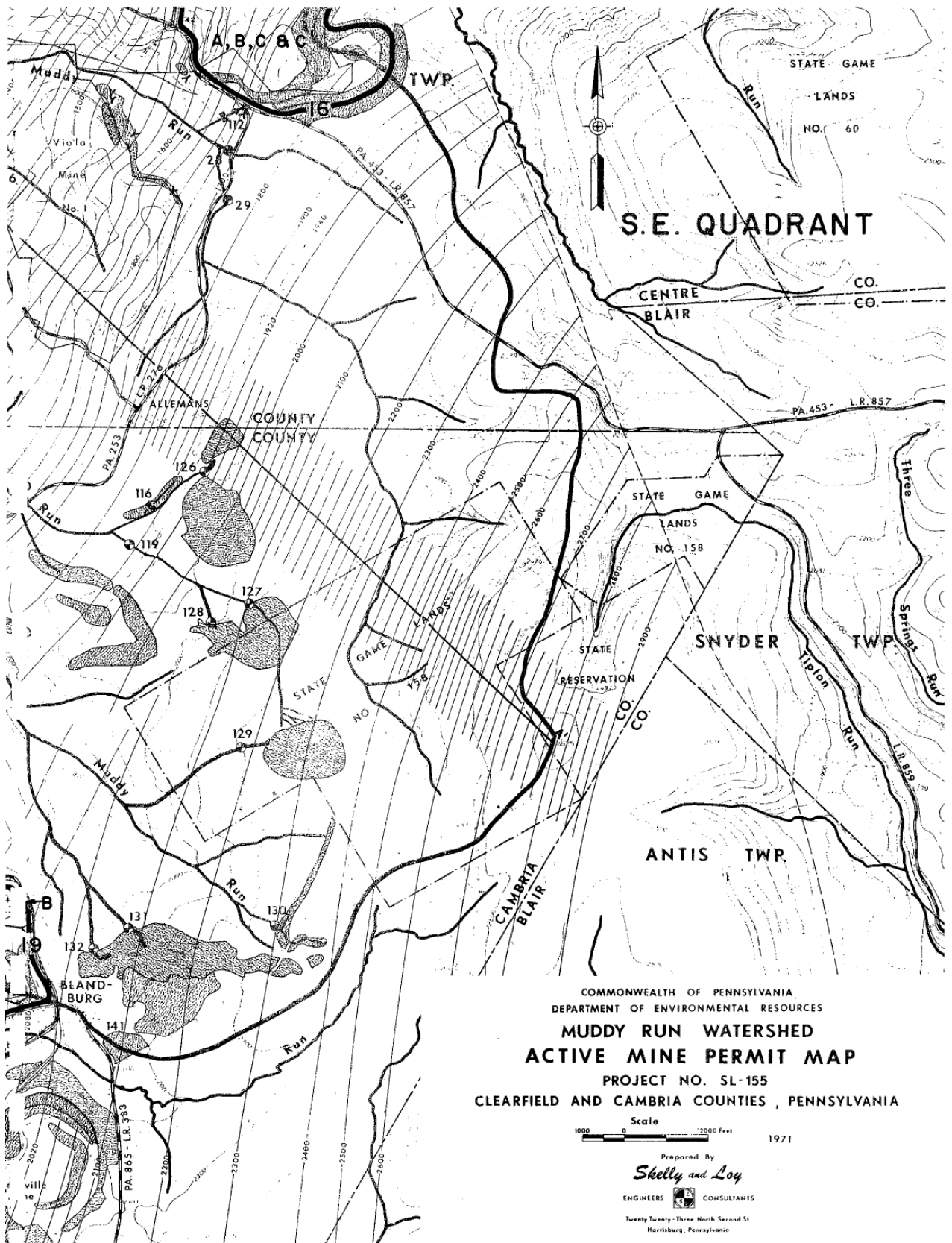




**MUDDY RUN WATERSHED  
ACTIVE MINE PERMIT MAP  
RUSH  
TWP.**







COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL RESOURCES  
**MUDDY RUN WATERSHED  
 ACTIVE MINE PERMIT MAP**  
 PROJECT NO. SL-155  
 CLEARFIELD AND CAMBRIA COUNTIES, PENNSYLVANIA

Scale 1000 0 2000 Feet 1971

Prepared By  
**Skelly and Loy**  
 ENGINEERS CONSULTANTS  
 Twenty-Two and One-Half North Second St  
 Harrisburg, Pennsylvania

MINING PERMITS ISSUED

Location Number	Strip Name	Operator's Name or Company	Date Permit Issued	Application Number	Type Mine	Seam
1	Kitko #1 Strip	Frances B. Kitko	2-19-70	4370BSM1	Strip	D
2	Crossroad #20 Strip	Crossroad Coal Co., Inc.	1-24-68	3267BSM44	Strip	E
3	Flango No. 100A Strip	Flango Bros. Coal Co.	1-26-67	3266BSM74	Strip	D , E & F
4	Flango No. 100B Strip	Flango Bros. Coal Co.	1-26-67	3266BSM75	Strip	E & F
5	Flango No. 25	Flango Bros. Coal Co.	3-03-69	3269BSM3	Strip	E
6	Flango No. 100C Strip	Flango Bros. Coal Co.	4-02-68	3268BSM4	Strip	D
7	Flango No. 100D Strip	Flango Bros. Coal Co.	4-02-68	3268BSM3	Strip	D & E
8	Flango No. 10A Strip	Flango Bros. Coal Co.	2-14-66	3266BSM22	Strip	D, E & F
9	Crossroad No. 2 Strip	Crossroad Coal Co., Inc.	1-26-67	3266BSM114	Strip	E
10	Deep Seam Crossroad - D	Crossroad Coal Co., Inc.	6-30-67	266MO28	Drift	D
11	Strip	Minds Coal Co.	*2-27-68	3267BSM50	Strip	E & F
12	Ginter No. 1	Elliot Coal Mining Co., Inc.	9-21-67	267MO16	Drift	E

\* Amended: 5-22-70 and 3-26-71

## ACTIVE MINING

All mining permits issued prior to September 1971 are shown on these Active Mining exhibits. Most of the mining is to be performed upon the higher (alkaline) seams within this watershed. A listing of the mining permits is given immediately following the permit maps. The abatement plan recommended is compatible with all but these four of the mine permits: 566M026; 4370BSM10; 267M003; and 566M024.

### Permit No. 566M026

This permit consists of two separate areas on the "B" seam in the extreme southern portion of the watershed. The northern area has been deep mined by the Miller Coal Company. The southernmost of these two areas is to be a deep mine on the "B" seam. The Great Bend Mine removed most of the "B" coal from this area long ago. This area is designated as a Quick Start project to eliminate two large "B" seam discharges (pollution sources 117 and 118). The permit was issued in March of 1968 but no mining was ever begun, and it is not likely that any mining will be performed on the "B" seam within this area. This permit should be revoked if there is no objection by the Miller Coal Company.



Permit No. 4370BSM10

This is a multiple seam strip mine permit held by the Anderson Creek Coal and Clay Company. The permit area covers part of the old Eureka deep mine complex on the "B" seam. This mine was designated as a Quick Start project because of its large acid discharge at pollution source 108. The abatement method for this mine calls for sealing the Eureka Mine No. 29 and raising the water level to the 1600 foot elevation within the mine. At this elevation the mine pool will be under the surface of a small portion of the northwestern extremity of this permit area. This will affect some of the permit on the Clarion and Lower Kittanning seams. This permit should be amended so that mining on these two seams will be restricted to the degree necessary to prevent the breakout of the deep mine water. This action should have no affect upon mining operations within this permit, because the coal lies too deep for strip mine recovery.

Permit No. 267M003

This is an active deep mine on the Clarion seam operated by the Elliot Coal Company. The mine underlies the southeastern portion of the Brookwood Shaft Mine complex on the Lower Kittanning seam that has

been designated as a Quick Start project. This is by far the largest pollution source (125) in the watershed. The abatement plan calls for sealing of the discharge bore holes and raising the mine water to the 1600 foot elevation. After flooding, the mine pool will create problems with the deep mining expected under this permit. The "B" coal is only about 65 feet above the "A" coal, and the danger is too great for mining operations to be carried on under this pool. Steps are being taken to resolve this problem.

Permit No. 566M024

This permit is being actively mined by the Scott Brothers Coal Company. The mine comprises the southern portion of a large interconnected deep mine complex that is discharging large quantities of acid at its northern extremity. This complex is to be flooded as a high priority abatement project, as soon as Scott Brothers Coal Company terminates its operation. They indicate this will be in the near future. This permit should be revised to prevent the Scott Brothers Mine from breaking into either the Bucket Mine or the Cambria Mills Smokeless Mine No. 2. The additional head that would be introduced if these mines are joined would eliminate any possibility of a successful sealing operation for this complex.

All future permit applications within this watershed should be reviewed by SKELLY and LOY prior to issuance in order to insure compatibility with the abatement plan.