

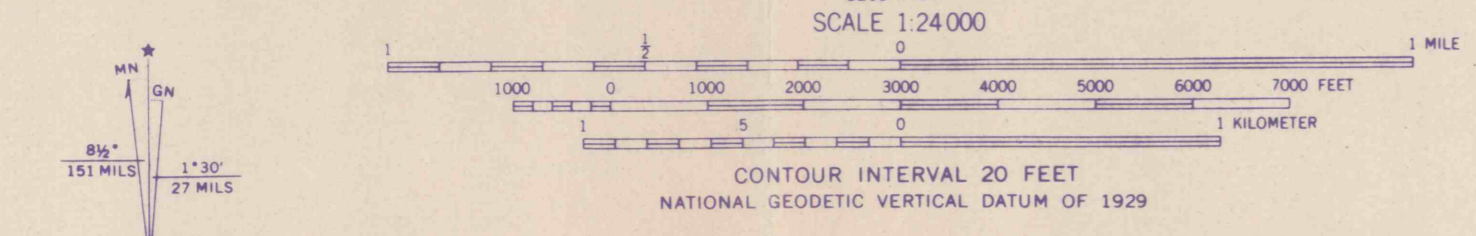


**EXHIBIT 19.1  
SUBSIDENCE INDEX MAP**

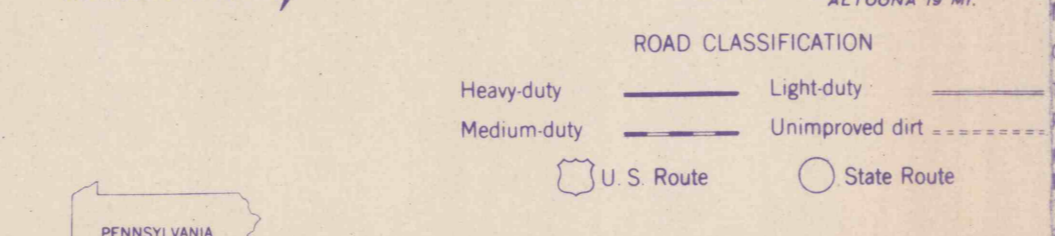
RED OAK MINING COMPANY  
SOUTH MINE  
UPPER KITTANNING SEAM  
SITUATE  
CHEST TOWNSHIP CAMBRIA COUNTY  
PENNSYLVANIA

SCALE	MINETECH ENGINEERS	DATE
1" = 2000'	ALTOONA PENNSYLVANIA	6-22-94

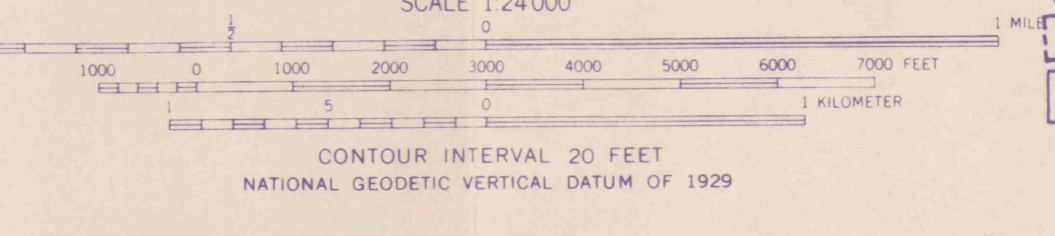
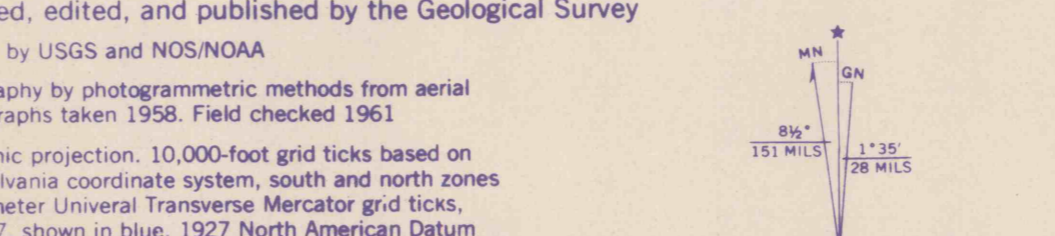
Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial  
photographs taken 1958. Field checked 1961  
Polyconic projection, 10,000-foot grid ticks based on  
Pennsylvania coordinate system, south and north zones  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue, 1927 North American Datum  
To place on the predicted North American Datum 1983  
move the projection lines 4 meters south and  
22 meters west as shown by dashed corner ticks  
Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map



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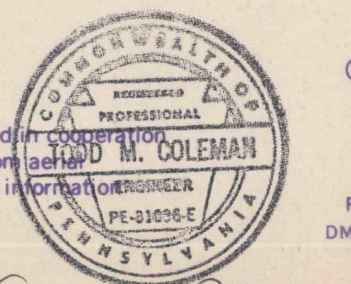


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**LEGEND:**  
PERMIT BOUNDARY  
SHEET INDEX FOR 6 M, MADS  
ROAD CLASSIFICATION  
Heavy-duty  
Medium-duty  
Unimproved dirt  
State Route

Revisions shown in purple and woodland compiled  
with Commonwealth of Pennsylvania agencies from  
photographs taken 1977 and other sources. This  
information is unchecked. Map edited 1981



COALPORT, PA.  
N4037.5-W7830.7.5  
1961  
PHOTOREVISED 1981  
DMA 5265 II NW-SERIES 983

*S. M. Cole* KJ-6