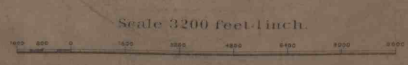




SECOND GEOLOGICAL SURVEY OF PENNSYLVANIA.

OUTCROP MAP
 OF THE
FREEPORT LOWER COAL BED
 IN THE
HOUTZDALE-PHILPSBURG
 BITUMINOUS COAL BASIN
 OF
CLEARFIELD CO., PENNA.
 By H.M. CHANCE.

Railroad alignments, from notes furnished by Mr. C. S. d'Inville.
 Elevations, mostly barometric, referred to established
 railroad levels
 October, 1883.



Howe
6-25-83
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