

CHRIS. O'DONNELL HRS.
P. H. ZIMMEL COAL
N O W
NORTH OAKLAND SPEEDWAY INC.
SURFACE

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N O W
NORTH OAKLAND SPEEDWAY INC.
SURFACE

DENNIS O'DONNELL HRS.
N O W

J. J. O'DONNELL
FEE 41.7-AC

NORMAN & IRMA MacDONALD
FEE 74.00-AC

LEO BRESNAHAN
N O W
C. G. McCORMICK
FEE 145 AC

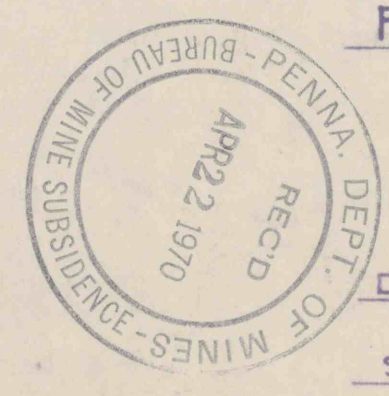
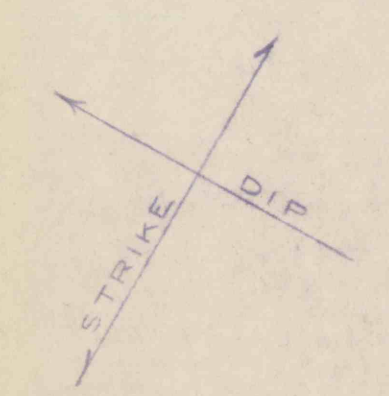
GEO. FREDERICK HRS.
RESERVE 1-AC.

HAROLD CUMBERLAND
RESERVE 1/2-AC.

- LEGEND
- CONTEMPLATED MINING AREA
 - SUPPORT AREA
 - PROTECTED STRUCTURES
 - MINING COMPLETED AREA

SURVEYED

DATE	YEAR
JUNE 18	1949
JAN. 14	1950
JULY 17	1950
JAN. 20	1951
JAN. 18	1954
AUG. 15	1955
AUG. 18	1955
OCT. 2	1962
JAN. 18	1965
SEP. 20	1966
MAR. 9	1967
OCT. 17	1967
MAR. 14	1968
OCT. 2	1968
MAR. 14	1969
SEP. 20	1969
NOV. 6	1969
MAR. 6	1970



SUBSIDENCE MAP
FREDERICK & McCORMICK COAL CO
BRESNAHAN MINE

UPPER FREEPORT COAL
DONEGAL TWP. BUTLER CO. PA.
SCALE 1" = 100'
JUNE 23 1949
E. J. WEIBEL R.S. 6572

FINAL MAP

SUBSIDENCE PERMIT 274-I

#359
6-15-49
E.C.