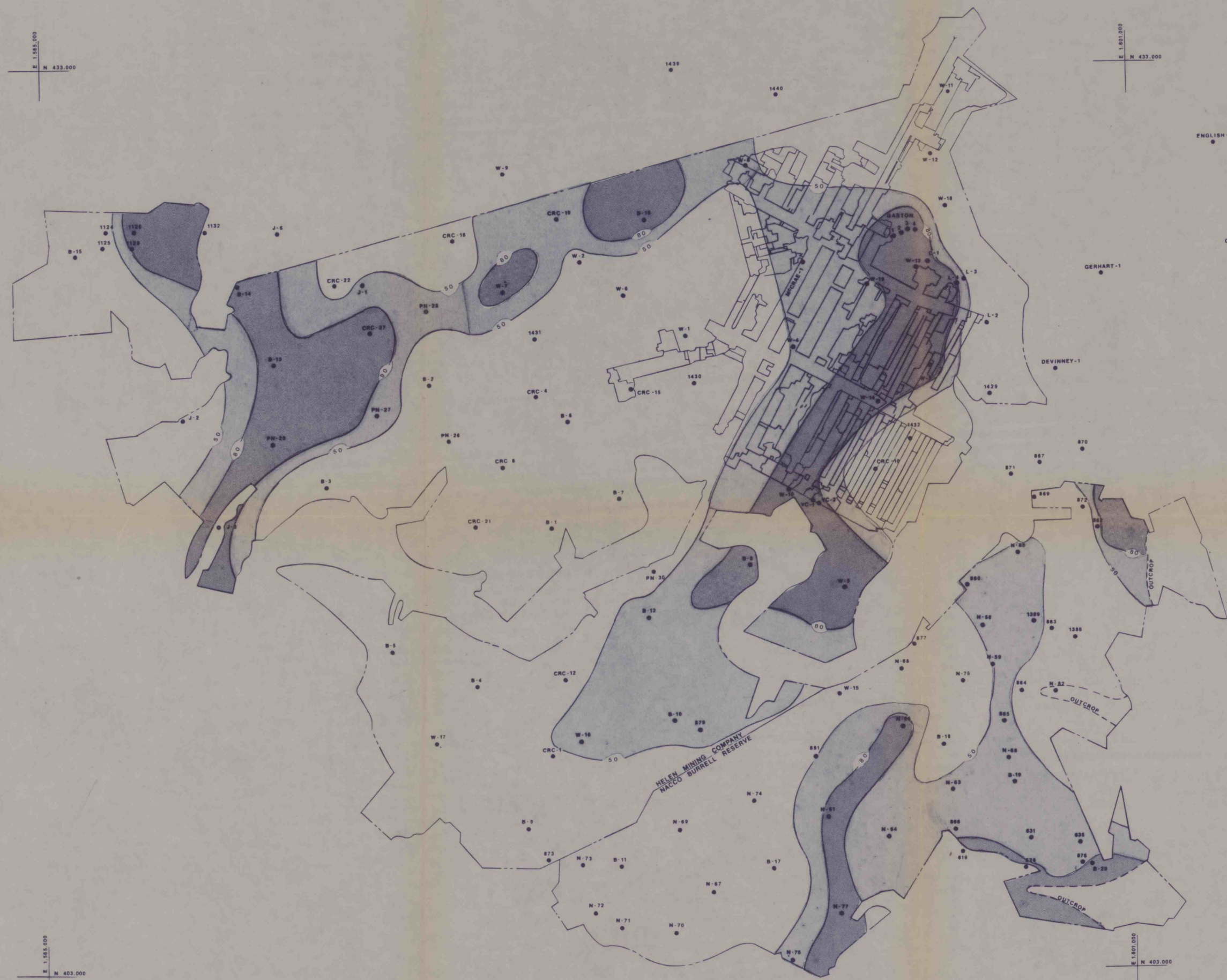


E 1,555,000
N 433,000

E 1,555,000
N 433,000



LEGEND

----- PROPERTY BOUNDARY

===== MINING OPERATION (MARCH, 1981)

----- OUTCROP OF UPPER FREEPORT "E" COALBED

• EXPLORATORY DRILL HOLES

% SANDSTONE CONCENTRATION IN ROOF ROCK

■ HIGH, 50 - 80%

■ VERY HIGH, 80 - 100%

E 1,555,000
N 403,000

E 1,555,000
N 403,000

HELEN MINING COMPANY
NACCO BIRRELL RESERVE

REVISED DATE	BY	THE NORTH AMERICAN COAL CORPORATION ENGINEERING DEPARTMENT 12800 SHAKER BOULEVARD CLEVELAND, OHIO 44120	
		PERCENT SANDSTONE IN FIRST 20' INTERVAL OVER COALBED	
DRAWN BY <u>J. GORDON</u>		DATE <u>MARCH 25, 1981</u>	
APPROVED <u>W.J. SIPLIVY</u>		DATE	
SCALE <u>1"=2000'</u>		EASTERN DIVISION	
PROJECT <u>HELEN</u>		NO. <u>PLATE 5</u>	

IMAPS # 15279