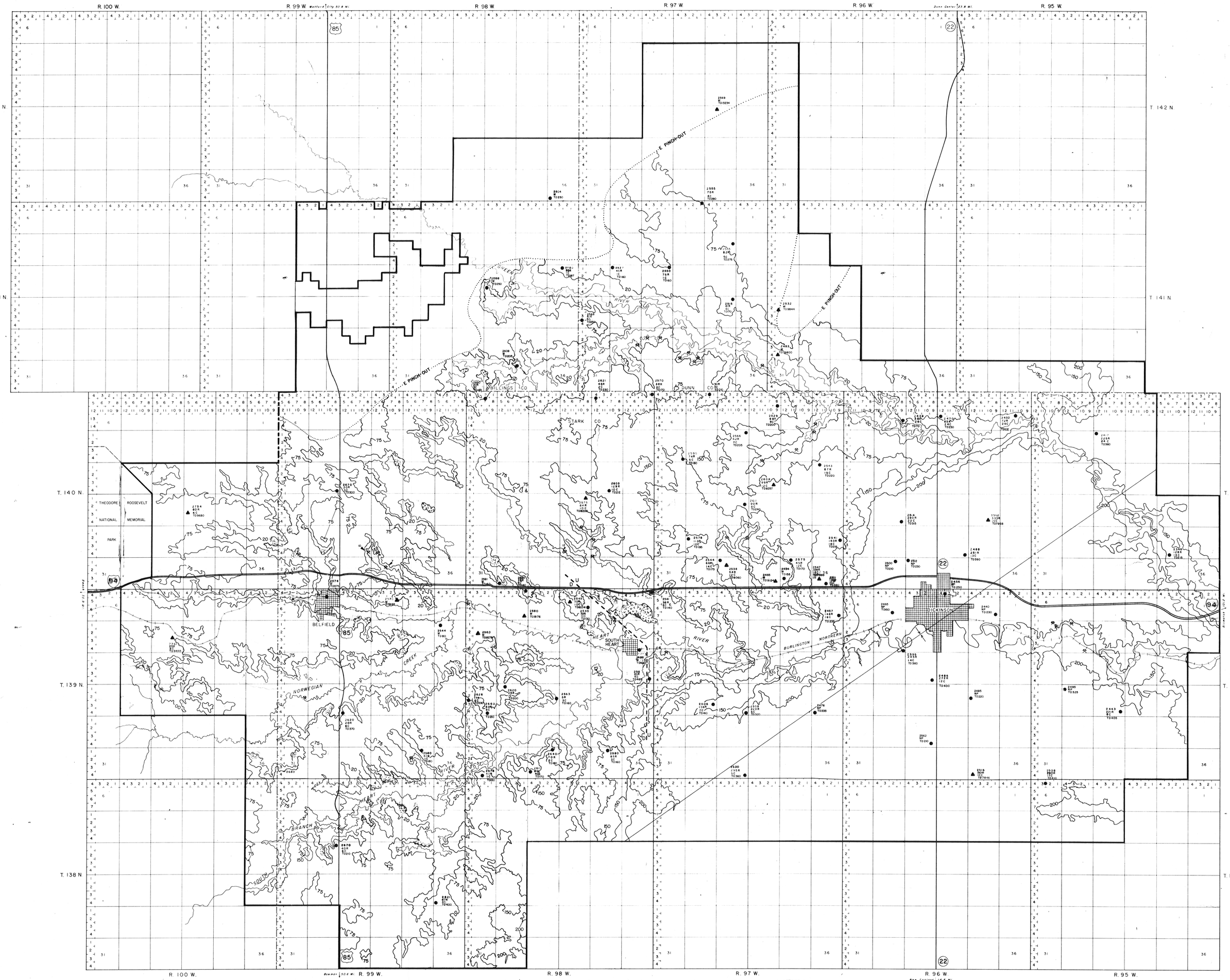

EXPLANATION

- BOUNDARY OF STUDY AREA
- COAL CROP LINE-Approximately located
- SUBSURFACE LIMIT OF COAL-Letters indicate name of bed
- 75 OVERBURDEN ISOPACH LINE-Contour interval (20,75,150,200) feet[1]
- AXIS OF SYNCLINE
- D U FAULT LINE-Dashed where approximately located
- BAKED AND FUSED ROCK-Dotted line indicates inferred extent of burned coal
- BAKED AND FUSED ROCK OF LIMITED EXTENT
- OUTCROP MEASUREMENT[1]
- DRILL HOLE (OIL OR GAS WELL)
- DRILL HOLE (WATER WELL)
- 2640 SURFACE ELEVATION[1]
- 2618 OVERBURDEN (ROCK AND THIN COAL)[1]
- 10400 COAL THICKNESS[1]
- TOTAL DRILL HOLE DEPTH[1]
- COAL BED MISSING IN DRILL HOLE
- NP DRILL HOLE NOT DEEP ENOUGH TO PENETRATE COAL BED
- ACTIVE MINE
- INACTIVE MINE

[1]All measurements in feet (to convert to meters, multiply by 0.3048)

OVERBURDEN ISOPACH MAP OF THE HEART RIVER (E) COAL BED

DICKINSON AREA, BILLINGS, DUNN, AND STARK COUNTIES, NORTH DAKOTA

SCALE 1:63 360

1 ½ 0 1 2 3 4 MILES

1 .5 0 1 2 3 4 KILOMETERS

DATUM IS MEAN SEA LEVEL

THIS REPORT HAS NOT BEEN EDITED FOR CONFORMITY WITH GEOLOGICAL SURVEY EDITORIAL STANDARDS OR STRATIGRAPHIC NOMENCLATURE.