

LEGEND:

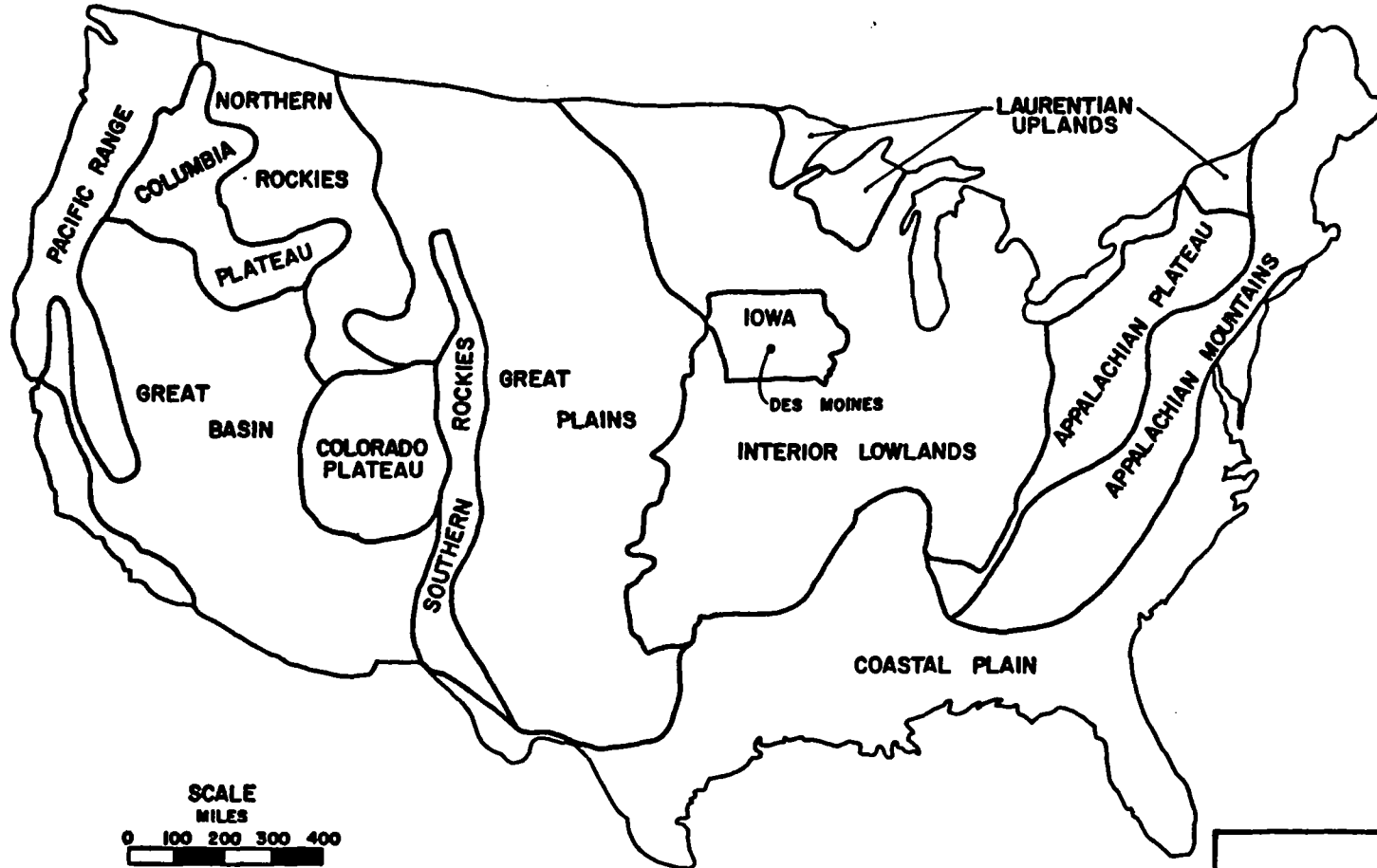
- — — — — PROPERTY LINE
- X-X- FENCE
- ST- STORM SEWER
- — — — — SOUTH AREA SOURCE CONTROL PROJECT BOUNDARY
- — — — — OPERABLE UNIT No.4 BOUNDARY (DASHED WHERE APPROXIMATE)
- ▭ DUST CONTROL AREAS (DEGREASER SLUDGE APPLICATION)
- GROUNDWATER RECOVERY WELL AND DISCHARGE LINE
- ➔ DRAINAGE WAY



FIGURE 2-1
 LOCATION OF SITE FEATURES
 DES MOINES SOUTH AREA SOURCE CONTROL PROJECT
 DES MOINES, IOWA
ECKENFELDER INC. Nashville, Tennessee
 Mahwah, New Jersey
 Rochester, New York

FIG2-1 12/07/92

PHYSIOGRAPHIC MAP OF THE UNITED STATES



SCALE
MILES
0 100 200 300 400

FIGURE 3-1

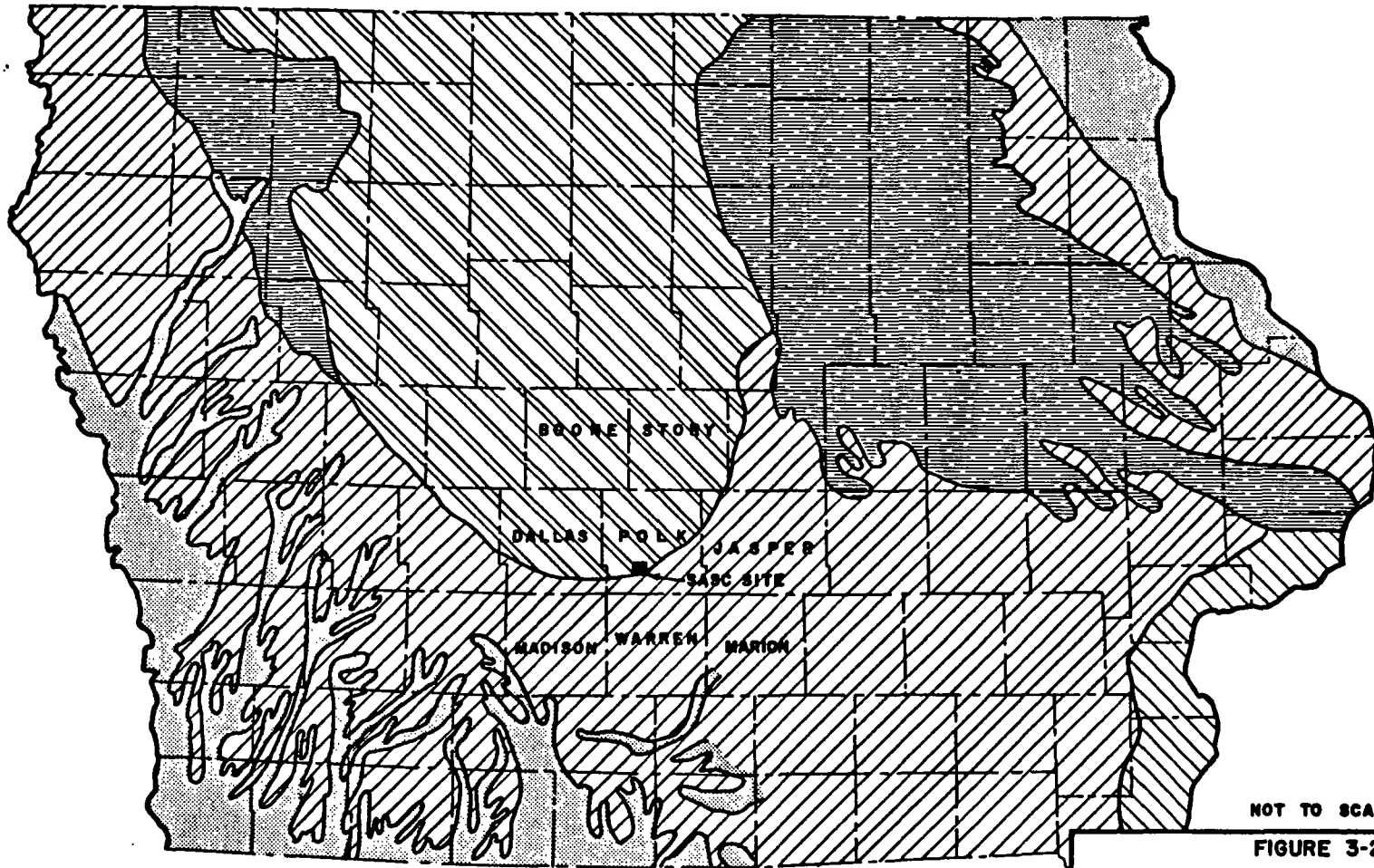
PHYSIOGRAPHIC MAP OF THE UNITED STATES

DES MOINES SOUTH AREA SOURCE CONTROL PROJECT

SOURCE: AFTER FETTER, 1980

ECKENFELDER INC.

Nashville, Tennessee
Mahwah, New Jersey








NOT TO SCALE

FIGURE 3-2

DRIFTS OF GLACIAL STAGES IN IOWA

DES MOINES SOUTH AREA
SOURCE CONTROL PROJECT

LEGEND:

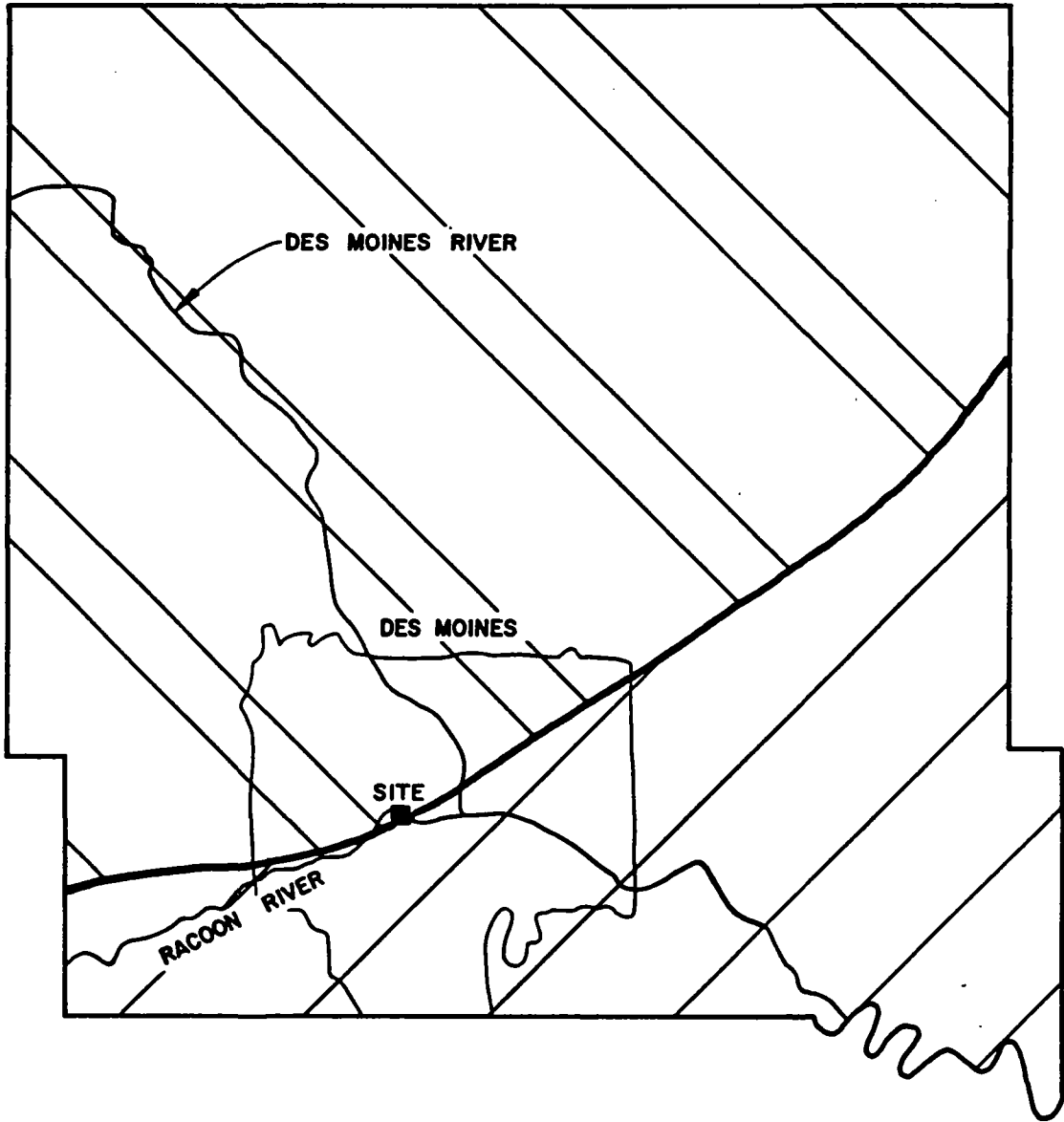
- | | | | |
|---|-----------|---|-----------|
|  | WISCONSIN |  | KANSAN |
|  | IOWAN |  | NEBRASKAN |
|  | ILLINOIAN | | |

SOURCE: FROM THE PLEISTOCENE GEOLOGY OF IOWA; IGS

ECKENFELDER
INC.

Nashville, Tennessee
Mahwah, New Jersey

POLK COUNTY, IOWA



LEGEND:



WISCONSIN DRIFT



KANSAN DRIFT

FIGURE 3-3

LIMITS OF GLACIAL DRIFT

DES MOINES SOUTH AREA SOURCE CONTROL PROJECT

ECKENFELDER INC.

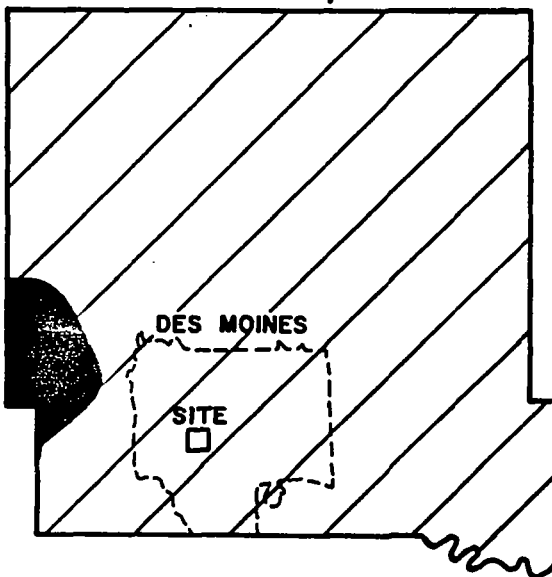
Nashville, Tennessee
Mahwah, New Jersey

SOURCE: FROM THE PLEISTOCENE GEOLOGY OF IOWA; IGS

NOT TO SCALE



POLK COUNTY, IOWA



PENNSYLVANIAN
DES MOINES SUPER GROUP



MARMATON
GROUP



CHEROKEE
GROUP

FIGURE 3-4

REGIONAL BEDROCK
LITHOLOGY

DES MOINES SOUTH AREA
SOURCE CONTROL PROJECT

SOURCE: AFTER IDNR, 1989

NOT TO SCALE

ECKENFELDER
INC.

Nashville, Tennessee
Mahwah, New Jersey

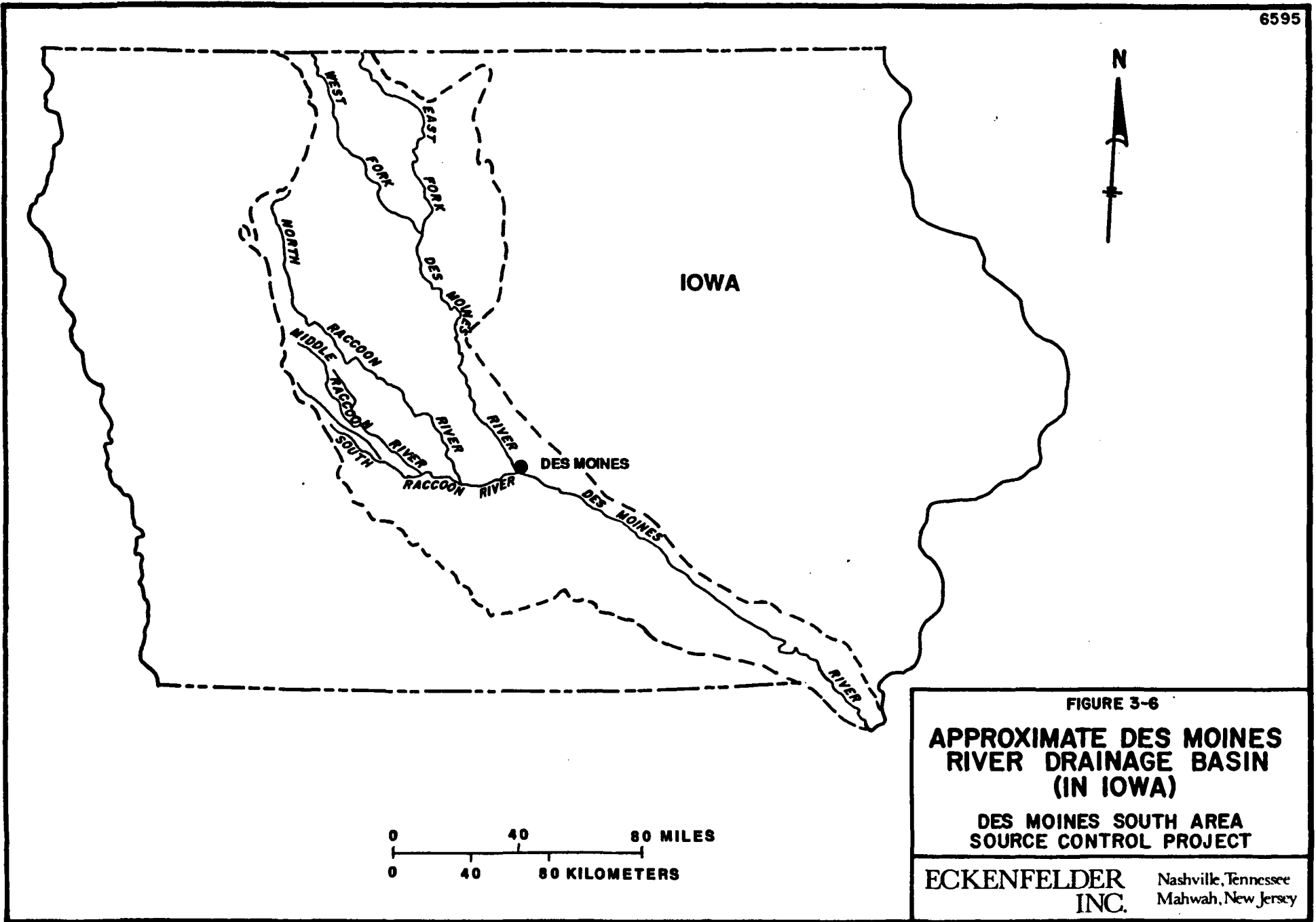


FIGURE 3-6

**APPROXIMATE DES MOINES
RIVER DRAINAGE BASIN
(IN IOWA)**

**DES MOINES SOUTH AREA
SOURCE CONTROL PROJECT**

**ECKENFELDER
INC.**

Nashville, Tennessee
Mahwah, New Jersey