

A REPORT ON
WATER USE AND CONSERVATION
THE IOWA - CEDAR RIVER
BASIN IN IOWA

The Water Resources Committee
Iowa State Planning Board
A. C. Trowbridge, Chairman

O. J. Baldwin, Engineer
in Charge of Studies

July 18, 1936
Iowa City, Iowa

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STATE OF IOWA

I N T R O D U C T I O N

Under date of March 3, 1936, the National Resources Committee, through its Committee on Water Resources, proposed to make a national study of water use and conservation, and to use the major drainage basins of the nation as the study units. The objectives of the study were: "to provide a sound and nation-wide outline of feasible plans for securing the greatest beneficial use of the water resources of each major drainage basin in the United States; to furnish the various Federal, State and local agencies a clear statement of the dominant physical and economic considerations that affect the development of water resources in each basin; to establish insofar as possible at the time, the major ultimate aims and limits of development; and the work consistent with these aims, that can now be undertaken; and to provide for an investigation program that will merit a continuous check, revision, and improvement of the plans outlined at this time."

The cooperation of the State Planning Boards of the various states was enlisted in the preparation of reports covering large drainage basins and groups of small drainage basins within their respective states. These reports were then submitted to the Drainage Basin District Water Consultant and were used by him as a reference in his report covering the regional basin, of which the basin or portion covered by the state report was a part. The reports of the District Consultants in turn formed the basis for the national water plan which has been formulated by the Committee on Water Resources of the National Resources Committee.

The following study was made under the administrative direction of the Iowa State Planning Board by the Water Resources Committee and by

a special staff of engineers whose services were made possible through the Works Progress Administration operating under Federal Project Number 3.

To enable the State Planning Boards to prepare a uniform type of report, the District Consultant prepared a generalized outline for the state reports to be used by those making the study. Brief reports on the various phases of water planning and related problems, covered in the outline, were prepared by technical advisers to the Water Resources Committee in their respective fields. It was then the duty of the engineer in charge of the study and his staff to combine and coordinate these reports, supplemented by field work and by data from other sources where necessary, into a unified plan or program for the drainage basin under consideration.

The members of the Iowa State Planning Board have reviewed this report and their comments and suggestions have been incorporated into the study in conformity with the supporting data.

Special thanks are due to the following for their cooperation in preparing technical reports, some within their respective fields as technical advisers, and others for their many valuable suggestions:

Prof. A. C. Trowbridge, State Geologist, Chairman, Water Resources Committee, Iowa State Planning Board.
 Mr. J. N. Darling, Member, Iowa State Planning Board.
 Prof. J. J. Hinman, Chief of the Water Laboratory, State University of Iowa
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 Mr. F. G. Kasel, District Engineer, U. S. Geological Survey
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 Prof. A. C. Tester, Assistant State Geologist
 Mr. A. H. Wieters, Director, Public Health Engineering

Valuable information supplemental to the technical advisers' reports was furnished by:

Mr. Howard Bowen, Instructor in Commerce, State University of Iowa
Mr. P. J. Houser, Assistant Engineer, Public Health Engineering
Prof. C. Woody Thompson, Assistant Professor in Commerce, State University
of Iowa
Mr. A. W. Toole, U. S. Forest Service
Mr. Homer J. Freeman, Staff, Iowa State Planning Board
Mr. Owen Williams, Staff, Iowa State Planning Board

It has been through the fine cooperation of Mr. J. W. Howe,
Associate Engineer, Mr. Charles M. Reading, Assistant Engineer, and
Miss Grace Cooper, typist, that the completion of this report was made
in the short time allotted for it.

O. J. Baldwin
Engineer in Charge of Studies

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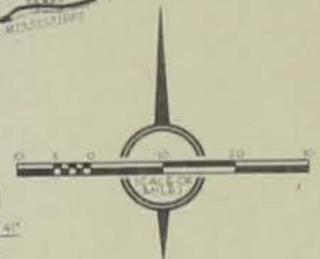
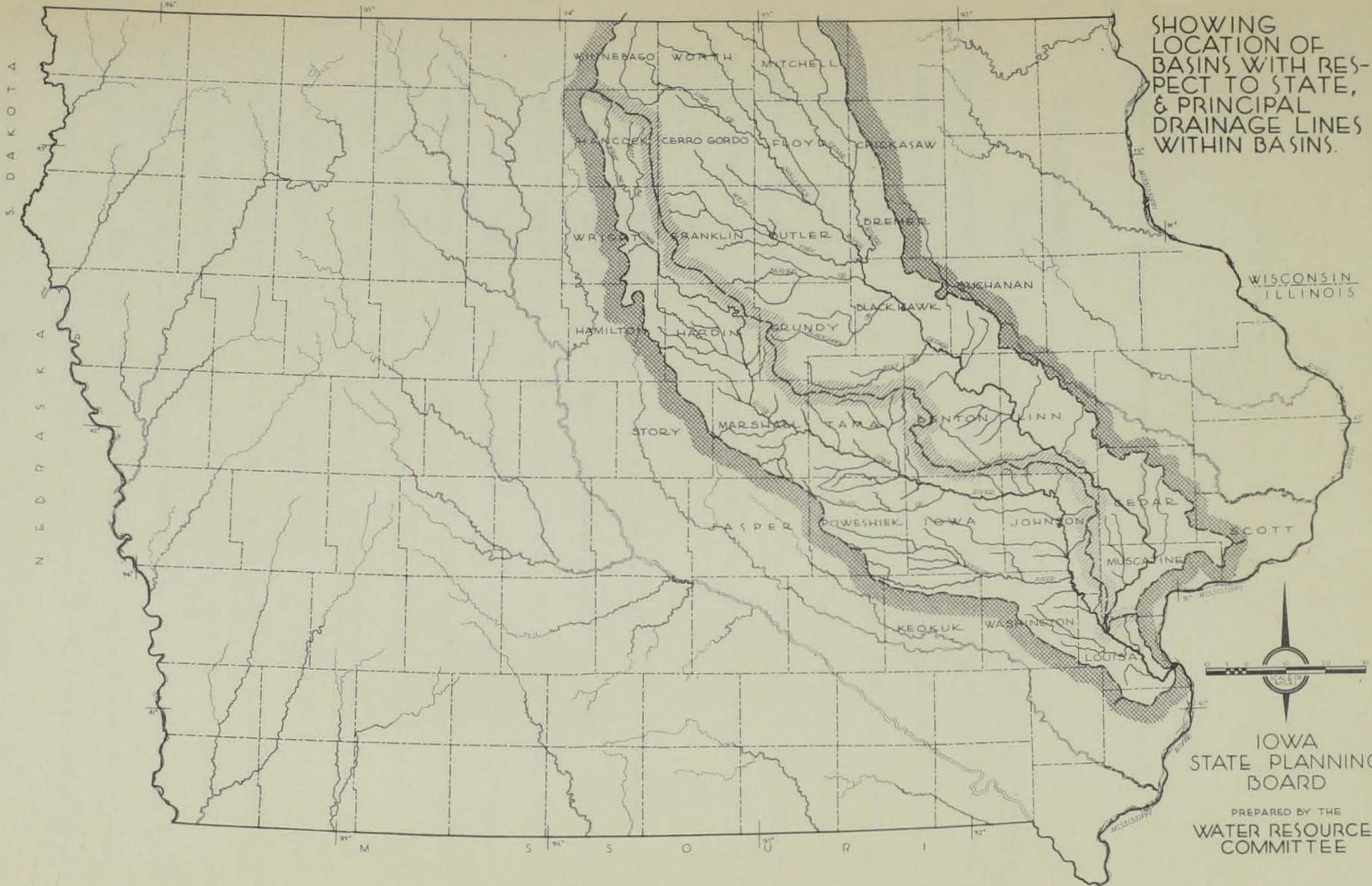
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IOWA STATE PLAN

IOWA - CEDAR RIVER BASINS

SHOWING
LOCATION OF
BASINS WITH RES-
PECT TO STATE,
& PRINCIPAL
DRAINAGE LINES
WITHIN BASINS.



IOWA
STATE PLANNING
BOARD
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W.P.A.
PROJECT
NR-342

FIG. 1

A REPORT ON
WATER USE AND CONSERVATION
IN DES MOINES, SKUNK, AND
SOUTHEASTERN IOWA RIVER
BASINS IN IOWA

The Water Resources Committee
Iowa State Planning Board
A. C. Trowbridge, Chairman

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in Charge of Studies

August 10, 1936
Iowa City, Iowa

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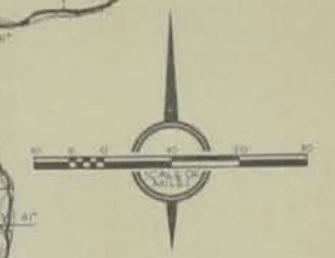
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IOWA STATE PLAN • DES MOINES-SKUNK RIVER BASINS

SHOWING
LOCATION OF
BASINS WITH
RESPECT TO STATE,
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WITHIN AREA.



IOWA
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FIG. 1

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RIVER BASINS

The Water Resources Committee
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July 18, 1936
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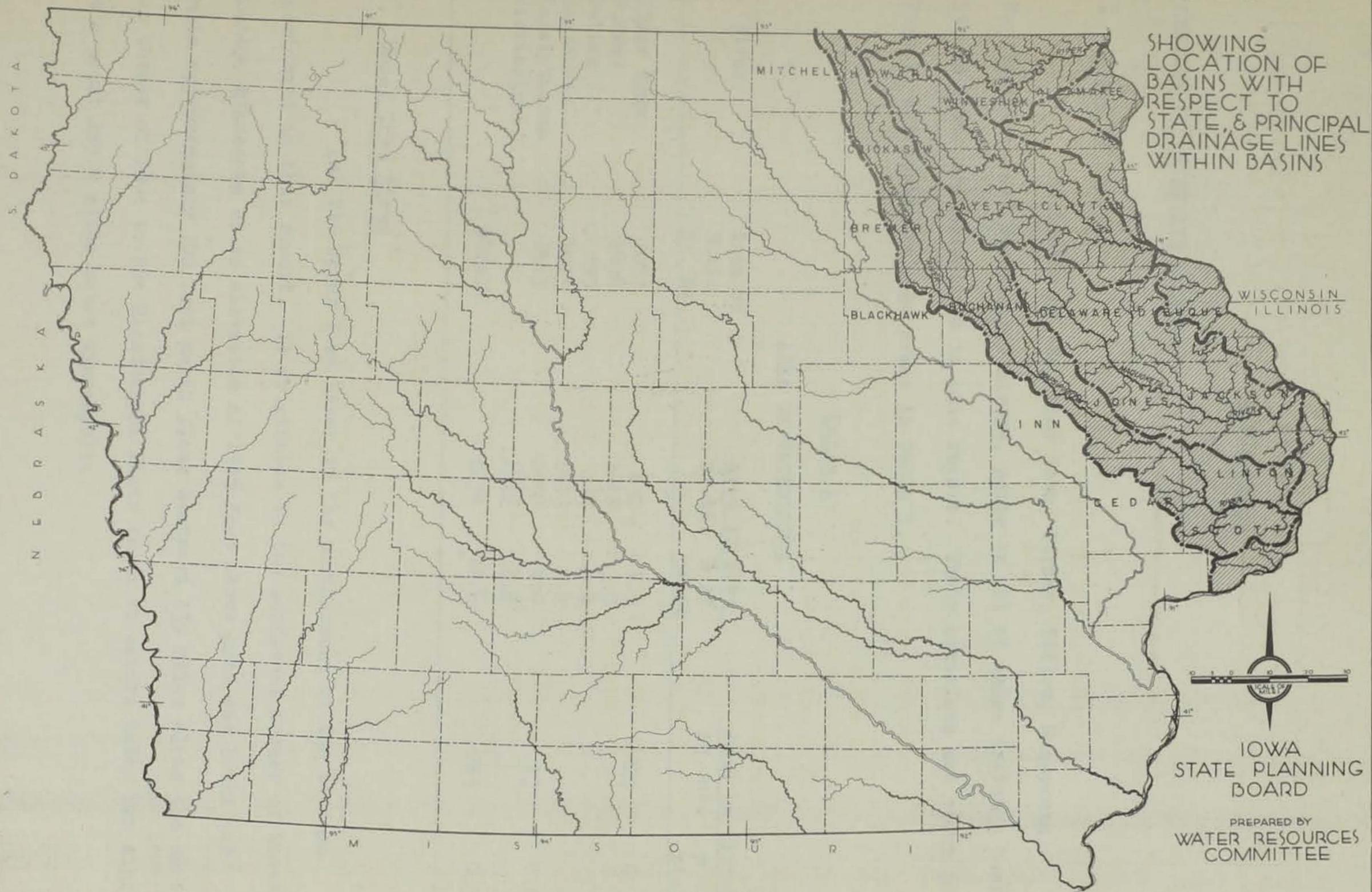
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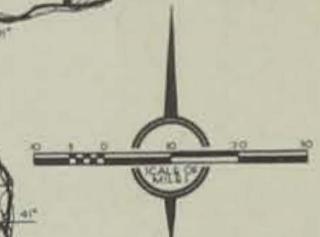
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IOWA STATE PLAN .. NORTHEASTERN IOWA RIVER BASINS



SHOWING
LOCATION OF
BASINS WITH
RESPECT TO
STATE, & PRINCIPAL
DRAINAGE LINES
WITHIN BASINS



IOWA
STATE PLANNING
BOARD
PREPARED BY
WATER RESOURCES
COMMITTEE

W. P. A.
PROJECT
9 6 2

FIG. 1