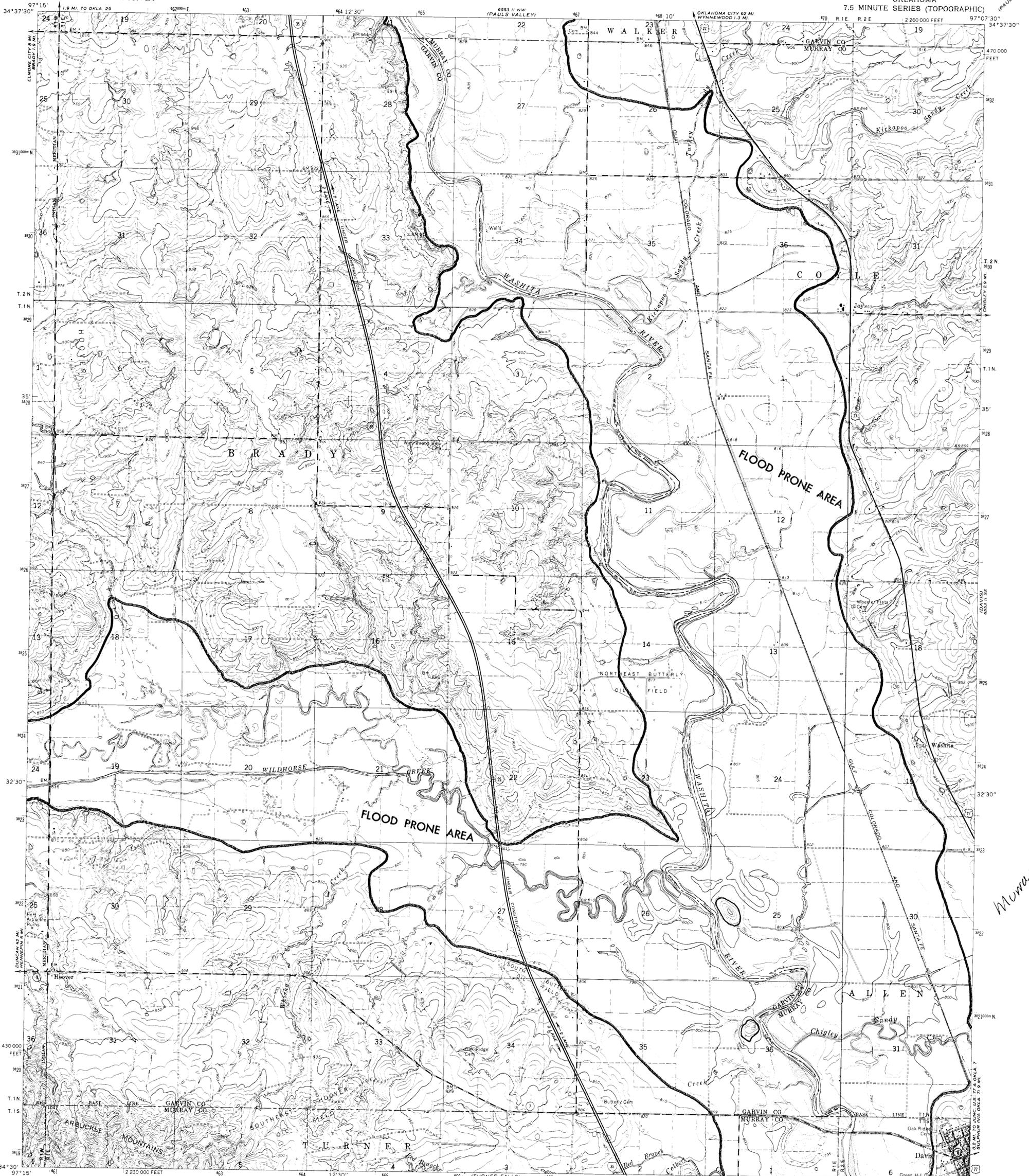


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAP OF FLOOD-PRONE AREAS

JOY QUADRANGLE
OKLAHOMA
7.5 MINUTE SERIES (TOPOGRAPHIC)

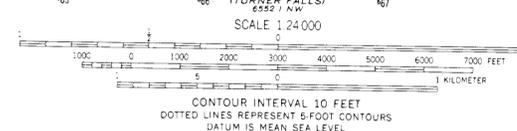


The purpose of the flood-prone area maps is to show to administrators, planners, and engineers concerned with future land developments those areas that are occasionally flooded. The U.S. Geological Survey was requested by the 89th Congress to prepare these maps as expressed in House Document 465. The flood-prone areas have been delineated by the Geological Survey on the basis of readily available information.

Flood-prone area maps were delineated for those areas that meet the following criteria: (1) Urban areas where the upstream drainage area exceeds 25 square miles, (2) rural areas in humid regions where the upstream drainage area exceeds 100 square miles, and (3) rural areas in semiarid regions where the upstream drainage area exceeds 250 square miles.

This map indicates only areas that may be occasionally flooded, and provides no information on the frequency, depth, duration, and other details of flooding. Larger areas than those shown on the map may be inundated by less frequent floods.

Flood-hazard reports provide the detailed flood information that is needed for economic studies, for formulating zoning regulations, and for setting design criteria to minimize future flood losses. When detailed information, such as that contained in the flood-hazard reports, is required, contact the U.S. Army, Corps of Engineers; the U.S. Geological Survey; or the Tennessee Valley Authority in the areas of their jurisdiction.



EXPLANATION
Flood boundaries were estimated from:
Profiles based on high-water marks.
Regional stage-frequency relations.

3497-412

JOY, OKLA.
Base by U.S. Geological Survey

Murray