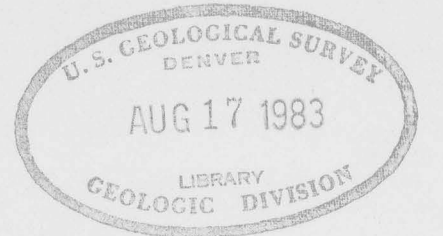


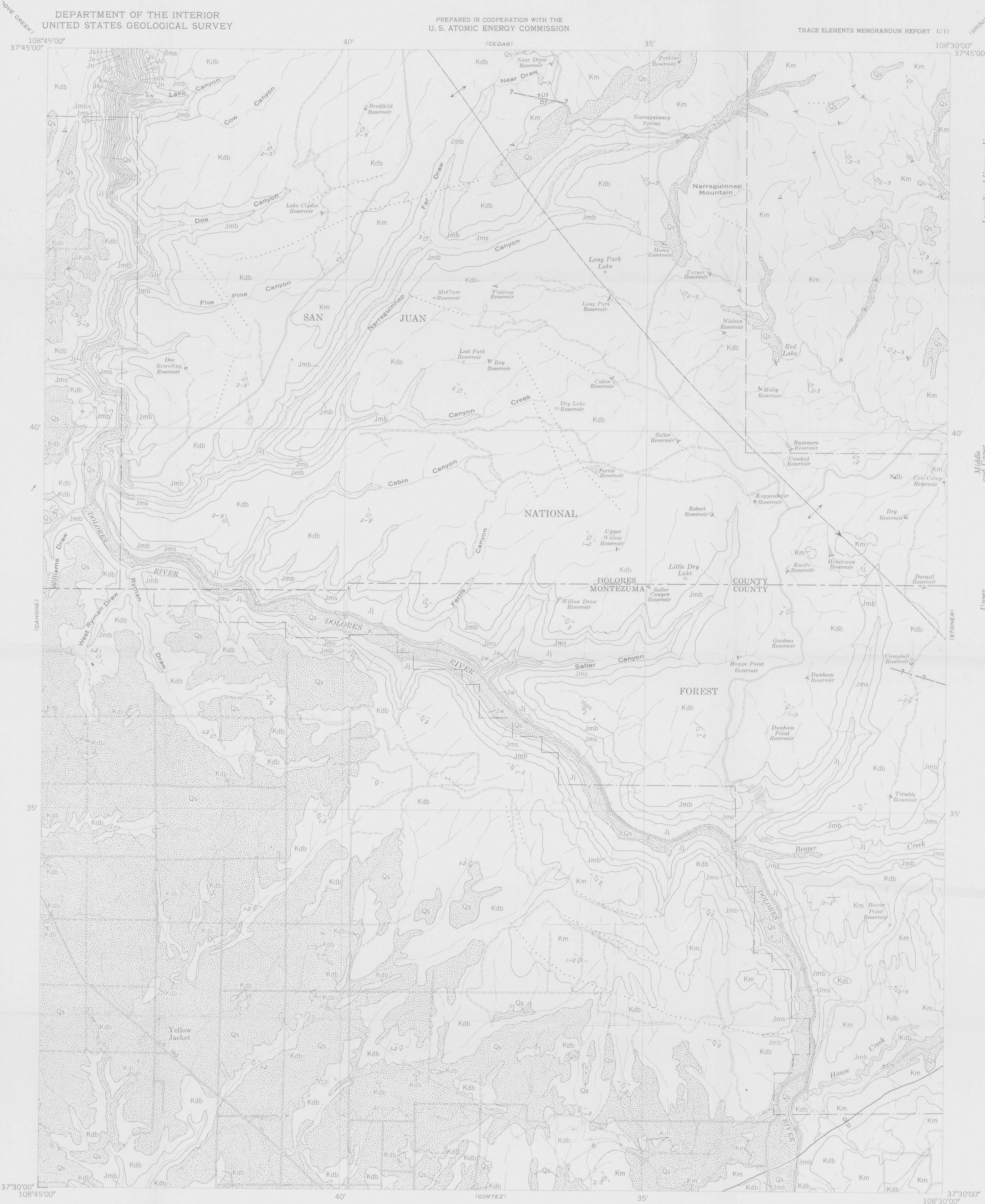
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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

TRACE ELEMENTS MEMORANDUM REPORT 1013



EXPLANATION

- Surficial deposits
- Mancos shale
- Dakota sandstone and Burro Canyon formation, undifferentiated. May include Mancos shale in some areas.
- Morrison formation
Brushy Basin shale member, Jmb; Salt Wash sandstone member, Jms
- Junction Creek sandstone
- Summerville formation Wanakah formation
- Entrada Sandstone
May include the Moab tongue.
- Carmel formation
- Navajo sandstone
- Kayenta formation
- Wingate sandstone

- Contact
Dashed where approximately located.
- Conspicuous bed within a formation
May be traceable only locally.
- Fault
U, upthrown side; D, downthrown side. Dashed where approximately located; dotted where concealed. Queried where probable.
- Anticline showing crest line and direction of plunge
Approximately located.
- Linear feature uninterpretable on photograph
May be geologically significant.
- Strike and dip of beds
Computed by photogrammetric methods.
- Approximate strike and dip of beds
Based on photointerpretation.
- Inferred strike and dip of beds
Based on photointerpretation of areas where bedding is obscure.
- Irrigation ditch
- National forest boundary
Approximate location.
- Primary road
- Secondary road
- Trail
- Surveyed line

QUATERNARY
CRETACEOUS
JURASSIC
JURASSIC(?)
TRIASSIC

Base map modified from U.S. Forest Service map, SE 1/4 Quadrangle 20, Colorado.
Aerial photographs used for photogeologic interpretation taken in November 1954, and September 1955.
Roads are classified as follows: Primary roads are maintained and graded, traversable by two-wheel-drive vehicles; secondary roads are traversable by four-wheel-drive vehicles and locally by two-wheel-drive vehicles; trails are not traversable by vehicles, except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.



PHOTOLOGIC MAP
OF THE
YELLOW JACKET QUADRANGLE
MONTEZUMA AND DOLORES
COUNTIES, COLORADO

By
R. J. Hackman

Scale 1:62 500



February 1958

Geologic and geographic data from U.S. Forest Service map, San Juan National Forest, 1951; U.S. Geol. Survey Oil and Gas Invest. map, OM 120, 1949; Colo. Geol. Survey Bull. 16, 1918; and unpublished field data by C.N. Holmes, T.E. Mullens, G. C. Simmons, W. B. Rogers, L. C. Craig and V. L. Freeman.
This map has been compiled mainly from photogeologic data and has not been checked in the field.
This preliminary report is distributed without editorial and technical review for conformity with official standards and nomenclature. It is not for public inspection or quotation.