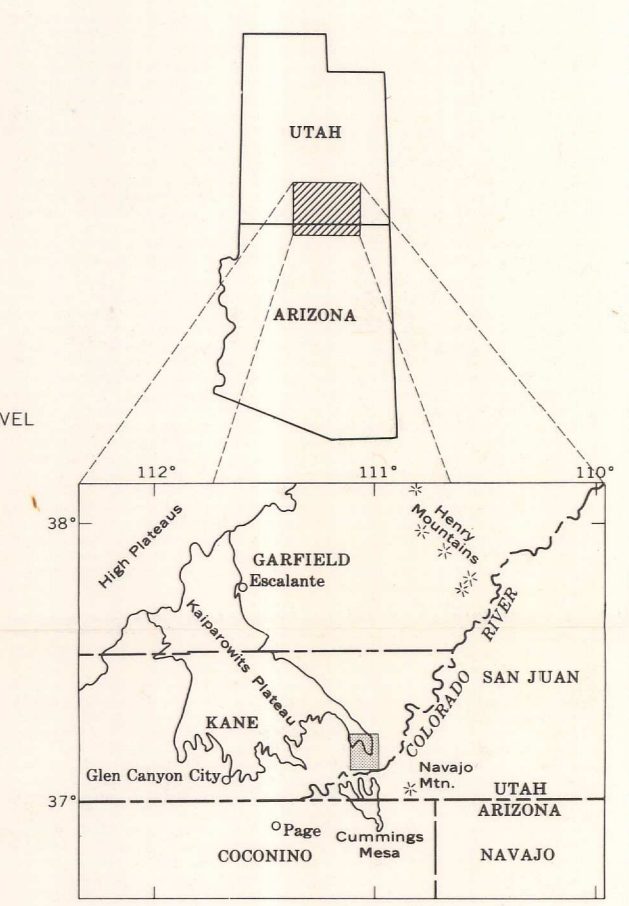


EXPLANATION

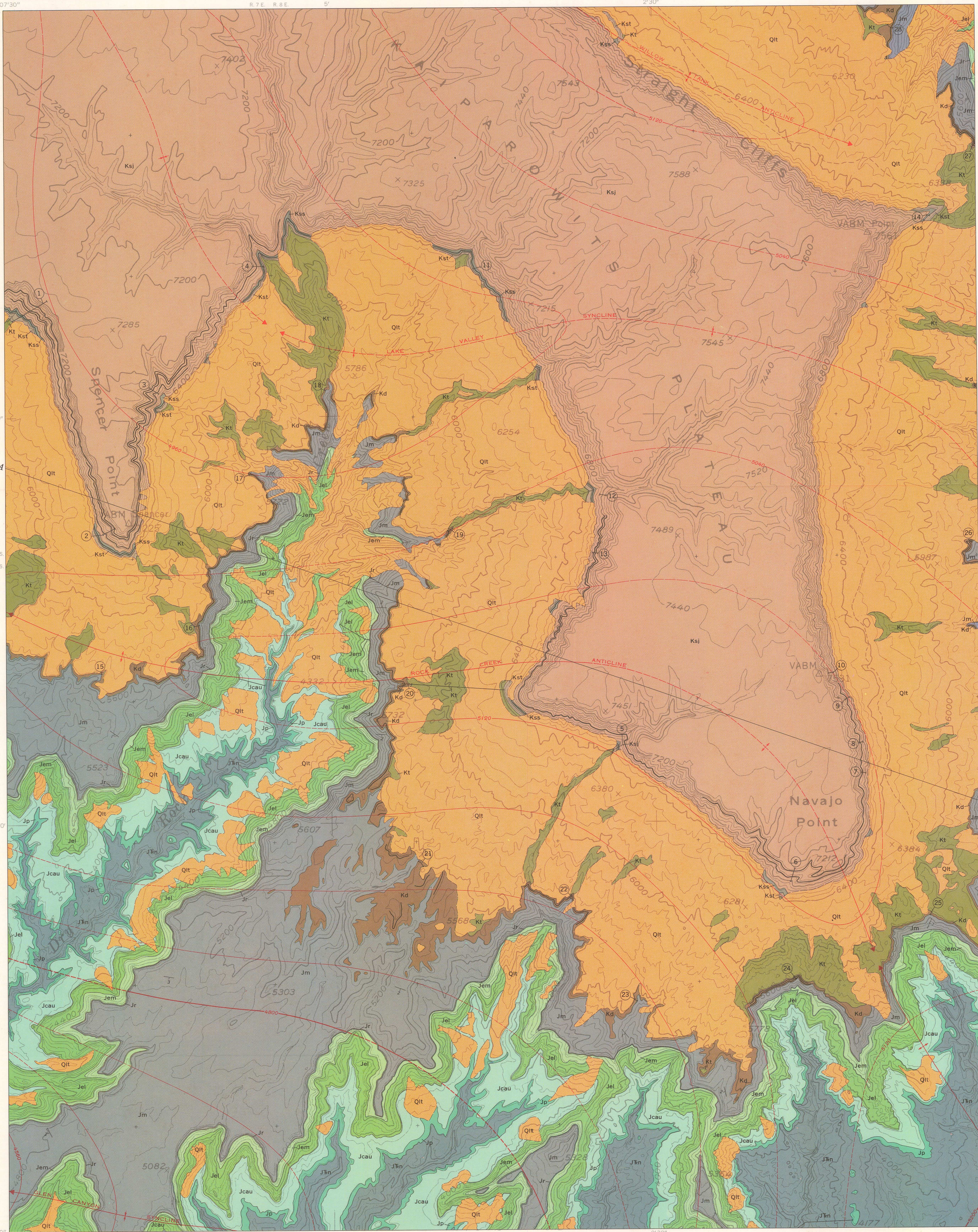
- QUATERNARY**
- Qlt Landslide and talus deposits
- CRETACEOUS**
- Kst Straight Cliffs Formation
  - Kss John Henry Member
  - Kt Smoky Hollow Member
  - Kd Tropic Shale
  - Ka Dakota Formation
- JURASSIC**
- Jm Morrison Formation
  - Jr Sandstone at Romans Mesa
  - Jem Entrada Sandstone
  - Jel Jem, middle member
  - Jl Jem, lower member
  - Jcau Upper member of Carmel Formation
  - Jp Sandstone at Page
  - Jtn Navajo Sandstone
- TRIASSIC(?)**
- Tk Kayenta Formation
- TRIASSIC**
- Tw Wingate Sandstone
  - Tc Chinle Formation
  - Tm Moenkopi Formation
- PERMIAN**
- Pk Kaibab Limestone
  - Pc Cutler Formation
- PENNSYLVANIAN**
- Ph Hermosa Formation
  - Pm Molas Formation
- DEVONIAN MISSISSIPPIAN**
- Mr Redwall Limestone
  - MDo Ouray(?) Limestone
  - De Elbert Formation
- CAMBRIAN**
- Cm Muav Limestone
  - Cb Bright Angel Shale
  - Ct Tapeats Sandstone
  - pCr Precambrian rocks

- Coal bed  
Mapped only where 1 foot or more thick
- Contact  
Dashed where approximately located
- Anticline  
Showing crestline and direction of plunge.  
Dashed where approximately located
- Syncline  
Showing troughline and direction of plunge.  
Dashed where approximately located
- Strike and dip of beds  
4800
- Structure contours  
Drawn on base of Morrison Formation. Long dashed where approximately located; short dashed where above surface of ground. Contour interval 80 feet
- Location of measured section shown in columnar section
- Location of coal section
- Section corner Township corner  
Projected from BLM protraction diagrams



INDEX MAP SHOWING LOCATION OF MAP AREA AND PERTINENT GEOGRAPHIC FEATURES IN SURROUNDING AREA

For sale by U.S. Geological Survey, price \$1.00 per set



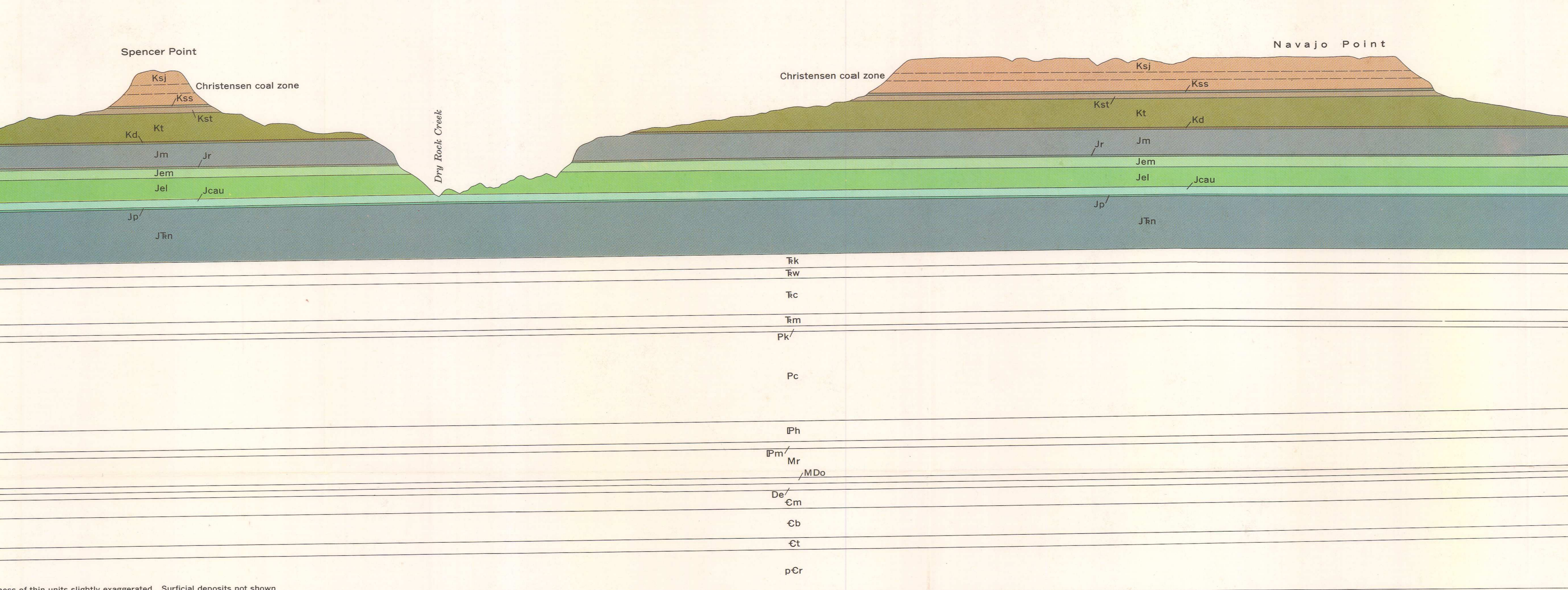
Base from U.S. Geological Survey 1:62,500, 1953

Geology mapped in 1968-70; assisted by P.C. Birkahn and O. L. Ligon

SCALE 1:24,000

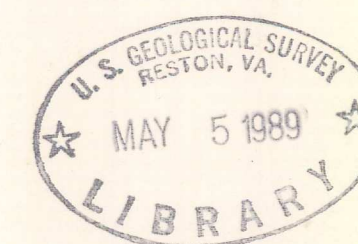
CONTOUR INTERVAL 80 FEET

DATUM IS MEAN SEA LEVEL



GEOLOGIC MAP AND COAL RESOURCES OF THE NORTHEAST QUARTER OF THE  
CUMMINGS MESA QUADRANGLE, KANE COUNTY, UTAH

By  
Fred Peterson and B. E. Barnum  
1973



M(200)  
C  
no. 63  
sheet 1  
c.1