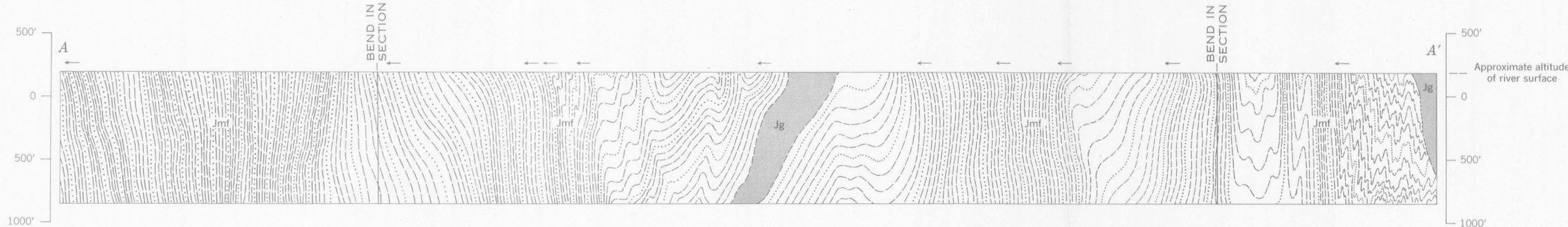


Base map compiled from aerial photograph and U. S. Geological Survey Merced Falls quadrangle, California

Geologic mapping by L. D. Clark and Richard Pack, 1953



- EXPLANATION**
- Upper Jurassic { Jmf Merced Falls slate } JURASSIC
  - { Jg Gopher Ridge volcanics }
  - Contact
  - - - Dashed where approximately located; dotted where concealed
  - ↗ 80 Plunge of minor anticline
  - ↖ 70 Plunge of minor syncline
  - ↘ 70 Plunge of minor folds, showing trace of bedding
  - 60/ Strike and dip of beds
  - 80/ Strike and dip of overturned beds
  - 90/ Strike of vertical beds
  - 70/ Generalized strike of folded beds showing plunge of fold axis
  - 85/ Strike and dip of schistosity
  - 55 ↗ 65 Strike and dip of schistosity showing bearing and plunge of lineation
  - 85/ Strike and dip of cleavage
  - 90/ Strike of vertical cleavage
  - 80/ Strike and dip of parallel bedding and cleavage
  - ← Section Map
  - ↗ ↘ Direction of tops of beds determined by graded bedding
- Structure lines in section are spaced to represent stratigraphic intervals of 20 feet. Their spacing depends on the angle between bedding and the plane of the section. No allowance was made for thickening and thinning that resulted from folding

**GEOLOGIC MAP AND DIAGRAMMATIC SECTION OF EPICLASTIC ROCKS EAST OF MERCED FALLS, MERCED COUNTY, CALIFORNIA**