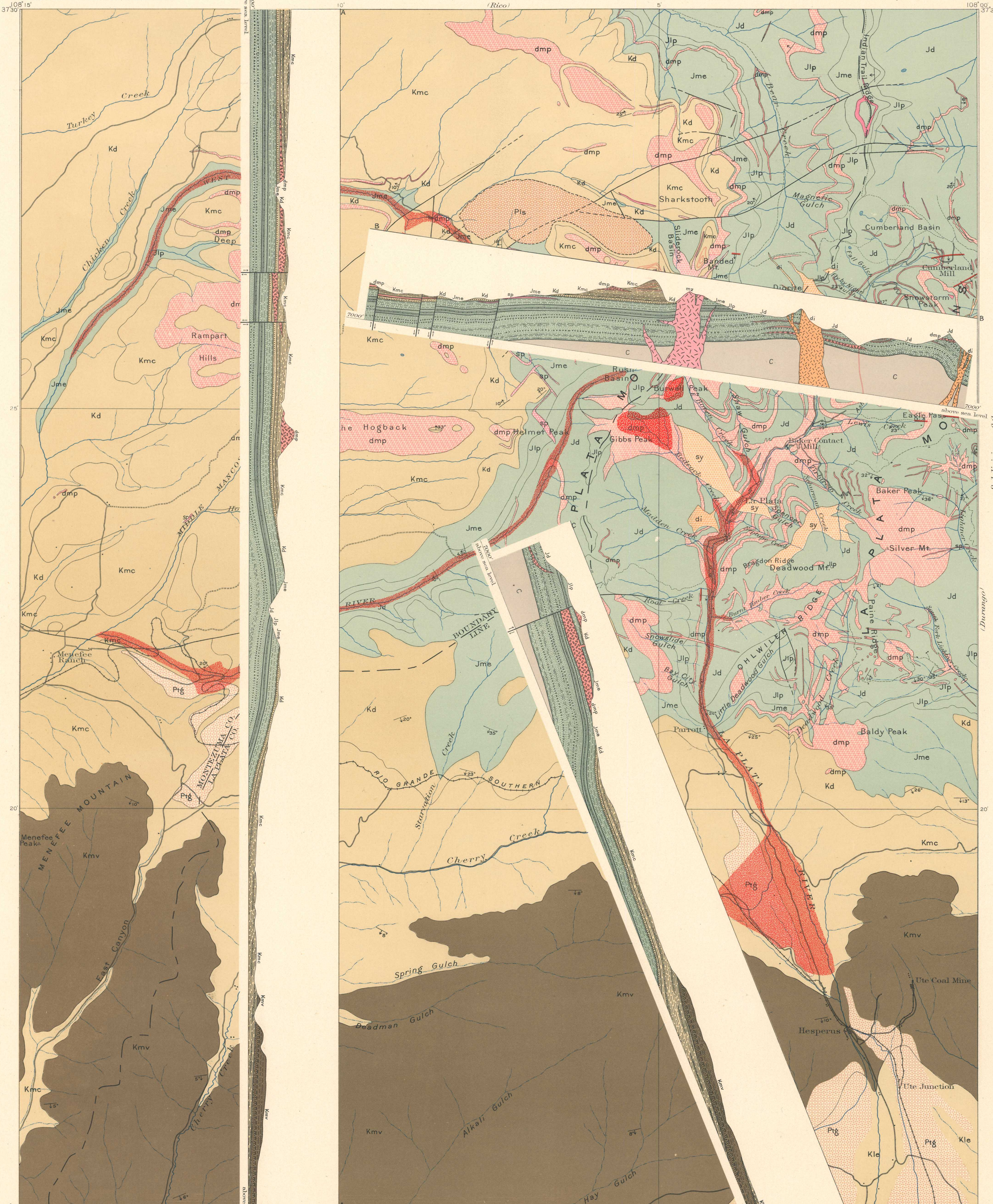


STRUCTURE-SECTION SHEET



LEGEND

SURFICIAL ROCKS

- | SHEET SYMBOL | SECTION SYMBOL | Description |
|--------------|----------------|--|
| Pls | | Landslides
(a confused mingling of large and small blocks of various formations from the mountains above) |
| Ptg | | Terrace gravels
(gravel and boulder-beds of alluvial origin) |

SEDIMENTARY ROCKS

- | SHEET SYMBOL | SECTION SYMBOL | Description |
|--------------|----------------|---|
| Kle | Kle | Lewis shale
(dark shales, somewhat arenaceous, fossiliferous) |
| Kmv | Kmv | Mesaverde formation
(alternating sandstones and shales, contains workable coal seams, and is fossiliferous) |
| Kmc | Kmc | Mancos shale
(dark shale with local calcareous and sandy layers, fossiliferous, includes the Benton and Stobers formations and part of the Pierre) |
| Kd | Kd | Dakota sandstone
(interbedded quartzose sandstones with carbonaceous shales, locally containing coal) |

Subdivisions of the Cretaceous formation

- | SHEET SYMBOL | SECTION SYMBOL | Description |
|--------------|----------------|--|
| Jme | Jme | Mc Elmo formation
(alternating sandstones and shales) |
| Jlp | Jlp | La Plata sandstone
(white massive sandstone with thin blue limestone and calcareous shales) |
| Jd | Jd | Dolores formation
(calcareous sandstone, gray conglomerate, and some shales with prevailing red color, fossiliferous) |

Carboniferous and older sediments

- | SHEET SYMBOL | SECTION SYMBOL | Description |
|--------------|----------------|-----------------------------------|
| C | | Carboniferous and older sediments |

IGNEOUS ROCKS

- | SHEET SYMBOL | SECTION SYMBOL | Description |
|--------------|----------------|---|
| di | di | Basic dikes and sheets
(vesiculate, augite-hornblende, and other rare rocks) |
| di | di | Diorite
(in stocks and dikes, contains augite, hornblende, and biotite) |
| mz | mz | Monzonite
(in a stock and associated dikes and sheets, contains augite as the chief dark silicate) |
| sy | sy | Augite-syenite
(in two stocks) |
| sp | sp | Syenite-porphry
(in sheets and dikes) |
| dmp | dmp | Diorite-porphry and monzonite-porphry
(in stocks, sheets, and dikes) |

Faults

Landslide boundaries

Strike and dip of stratified rocks

Known productive formations

Gold and silver bearing veins (showing strike and dip)

Gold bearing gravels

Areas of associated rock impregnated with pyrite slightly auriferous

Coal

Mesaverde formation, containing productive coal beds

Henry Gannett, Chief Topographer.
E. M. Douglas, Topographer in charge.
Triangulation and Topography by Frank Tweedy.
Surveyed in 1895.

Scale 22,000
Miles
Kilometers

Geology by Whitman Cross.
Assisted by A. C. Spencer and H. S. Gane.
Economic Geology by Chester W. Purington.
Surveyed in 1896-97.