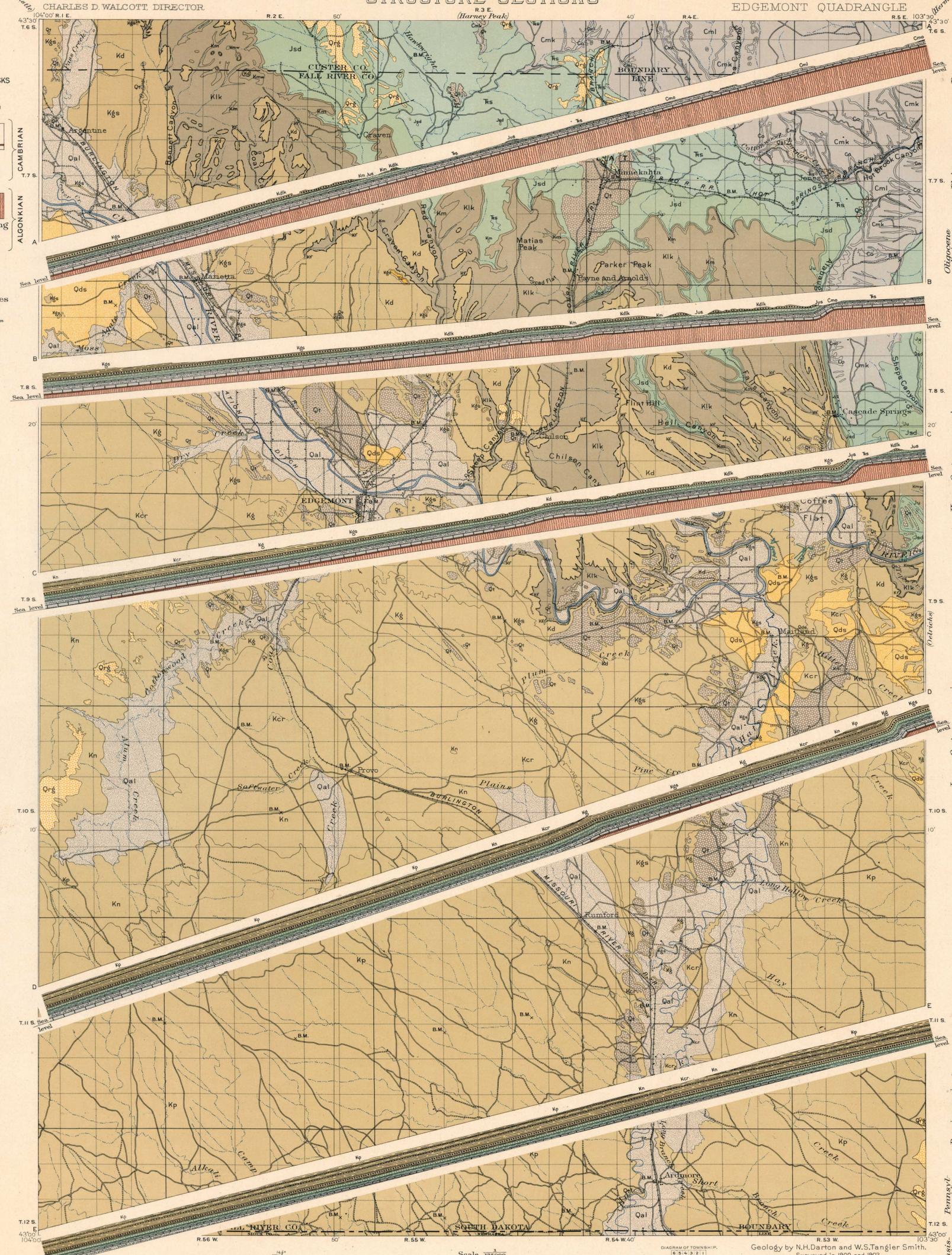


U.S. GEOLOGICAL SURVEY  
CHARLES D. WALCOTT, DIRECTOR

# STRUCTURE SECTIONS

SOUTH DAKOTA-NEBRASKA  
EDGEMONT QUADRANGLE



## LEGEND

SEDIMENTARY ROCKS  
(continued)

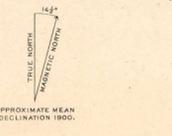
- SHEET SYMBOL SECTION SYMBOL
- Deadwood sandstone (does not outcrop in this quadrangle)
  - Schist including granite (do not outcrop in this quadrangle)
  - Sandstone dikes in Graneros shale (material derived from Dakota sandstone)
  - Faults

## LEGEND

SEDIMENTARY ROCKS

- SHEET SYMBOL SECTION SYMBOL
- Qds Dune sand
  - Qal Alluvium (only the larger deposits represented)
  - Qt Older terrace deposits (sand, gravel, and loam)
  - Org Residual gravel (from Chadron formation)
  - Te Chadron formation (sandstone, gravel, and loam)
  - UNCONFORMITY
  - Kp Pierre shale (dark gray shale or clay with concretions)
  - Kn Niobrara formation (impure shaly limestone or calcareous clay, weathers light buff)
  - Kcr Carlisle formation (gray shale and thin sandstone)
  - Kg Greenhorn limestone (impure shaly limestone)
  - Kgs Graneros shale (black fissile shale)
  - Kd Dakota sandstone (massive buff sandstone with thin beds at top)
  - Kf Fison formation (massive buff sandstone with various colors)
  - Kmw Minnewaste limestone (massive gray limestone)
  - Klk Lakota formation (massive buff sandstone with clay interstratifications and local coal beds)
  - Km Morrison formation (gray, maroon, and purple clay)
  - UNCONFORMITY
  - Ju Unkpapa sandstone (massive fine-grained sandstone, red, purple, white, yellow, and buff)
  - Jsd Sundance formation (buff sandstone and greenish shale)
  - UNCONFORMITY
  - Trs Spearfish shale (red sandy shale)
  - UNCONFORMITY
  - Cmk Minnekahta limestone (very thin-bedded gray limestone in massive ledges)
  - Co Opache formation (bright red sandy shale, purplish at top)
  - Cml Mimmehusa sandstone (red, yellow, and gray, calcareous sandstone)
  - Pahsapa and Englewood limestones (do not outcrop in this quadrangle)

E. M. Douglas, Geographer in charge.  
Triangulation by E.M. Douglas and A.F. Dunnington.  
Topography by A.F. Dunnington.  
Surveyed in 1900.



Scale 1:25000  
1 2 3 4 Miles  
1 2 3 4 Kilometers

DIAGRAM OF TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

Geology by N.H. Darton and W.S. Tangier Smith.  
Surveyed in 1900 and 1902.

Edition of May 1904.

Legend is continued on the left margin.