

# STRUCTURE SECTIONS

## LEGEND

IGNEOUS ROCKS  
(continued)  
SHEET SYMBOL SYMBOL

Jsp  
Serpentine  
(stock of altered peridotite)

Jhd Jhd  
Various dikes  
(andesite, porphyry, diorite, quartz, hornblende, diorite, Jhd, and hornblende, Jhd)

Jad Jad  
Quartz-angite-diorite  
(intrusive masses and dikes)

Jhd Jhd  
Quartz-hornblende-diorite  
(batholith and stocks; includes a stock of quartz-mica-diorite, Jhd)

Jb Jb  
Bagley andesite  
(flows and tuffs)

Tbh Tbh  
Bully Hill rhyolite  
(flows and tuffs; includes some dikes and sheets of later age)

Td Td  
Deltas andesite  
(chiefly flows and tuffs; with some tuffaceous shales)

Cbm Cbm  
Bass Mountain diabase  
(flows and tuffs; partly unbedded in Brydon formation)

br br  
Balakala rhyolite  
(altered rhyolitic lava and tuff; also dikes)

cma cma  
Copley meta-andesite  
(lava and tuff)

Post-Potom and pre-Chico

Pre-Potom

Pre-Hosselkus

Mississippian

Pre-Kennett

Strike and dip of stratified rocks

## LEGEND

SEDIMENTARY ROCKS  
SHEET SYMBOL SECTION SYMBOL

Qal  
Alluvium  
(silt, sand, and gravel in flood plains)

Qrb Qrb  
Red Bluff formation  
(gravel with layers of sand and clay; few large boulders)

UNCONFORMITY

Tr Tib  
Tuscan tuff  
(chiefly tuff in large part; coarse agglomerate, and some gravel and sand; some green and blue)

Ti  
Tuscan tuff  
(combined with Tuscan tuff on sections)

Ione formation  
(sand containing gravel, above and clay and coaly below)

UNCONFORMITY

Kc Kc  
Chico formation  
(conglomerate overlain by sandstone and shale)

UNCONFORMITY

Is Jp Jp  
Potom formation  
(shale and thin bedded sandstone with small limestone lenses, ls, and some tuffaceous conglomerate)

Jm Jm  
Modin formation  
(tuffaceous beds, chiefly conglomerate overlain by gray sandstone and shale, with small limestone lenses, ls)

UNCONFORMITY

Tb Tb  
Brock shale  
(dark below, reddish and sandy above)

Tb Tb  
Hosselkus limestone  
(gray limestone above, thin bedded and darker below)

Tp Tp  
Pit formation  
(black and gray shale, with thin bedded sandstone and much interstratified tuff)

Cn Cn  
Nosoni formation  
(chiefly tuffaceous beds with interstratified shale, sand, and sandstone, and a few limestone lenses)

Cm Cm  
Mc Cloud limestone  
(massive gray limestone with chert layers and nodules; chiefly of Brydon formation; occurs only in lenses)

Cb Cb  
Baird formation  
(chiefly red to white tuffs composed chiefly of Brydon formation tuffaceous sandstone and shale)

Cbd Cbd  
Bragdon formation  
(thin bedded shale, sandstone, and conglomerate composed chiefly of Brydon formation tuffaceous sandstone)

UNCONFORMITY

Dk Dk  
Kennett formation  
(black shales, and thin bedded sandstone, with large lenses of limestone, ls)

ls ls  
Limestone lenses  
(in Kennett formation, and Brydon formation)

IGNEOUS ROCKS

Opa Opa  
Pyroxene-andesite  
(lava flow from Mount Shasta)

Tb  
Basalt  
(lava flow contemporaneous with Tuscan tuff)

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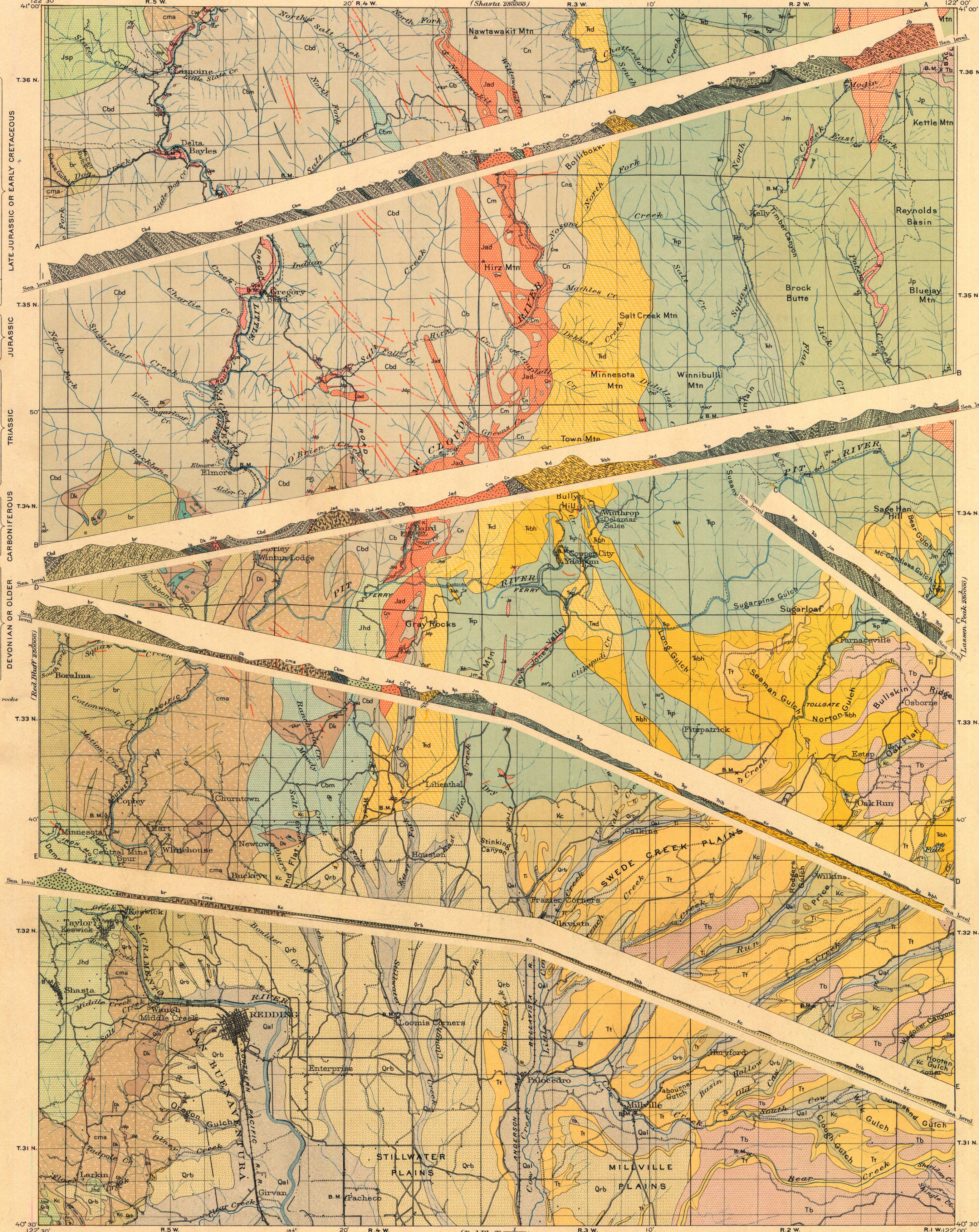
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R. U. Goode, Geographer in charge.  
Triangulation by C. F. Urquhart.  
Topography by R. H. Mc Kee and A. B. Searle.  
Surveyed in 1900.

Scale 1:250,000  
1 2 3 4 5 Miles  
1 2 3 4 5 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 J. S. Diller,  
assisted by James Storrs,  
H. R. Johnson, Chester Washburne,  
G. B. Richardson, and Frank L. Hess.  
Surveyed in 1901-1904.