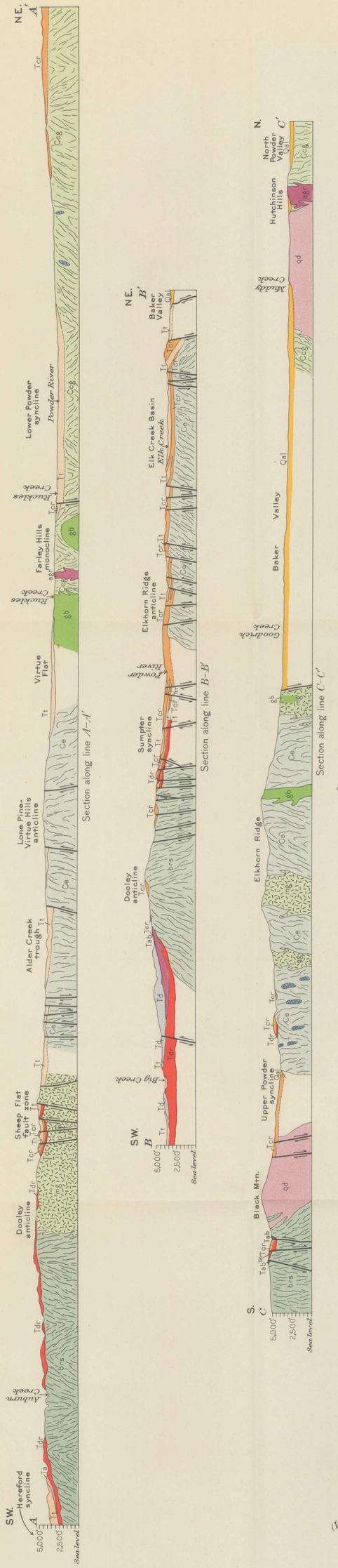
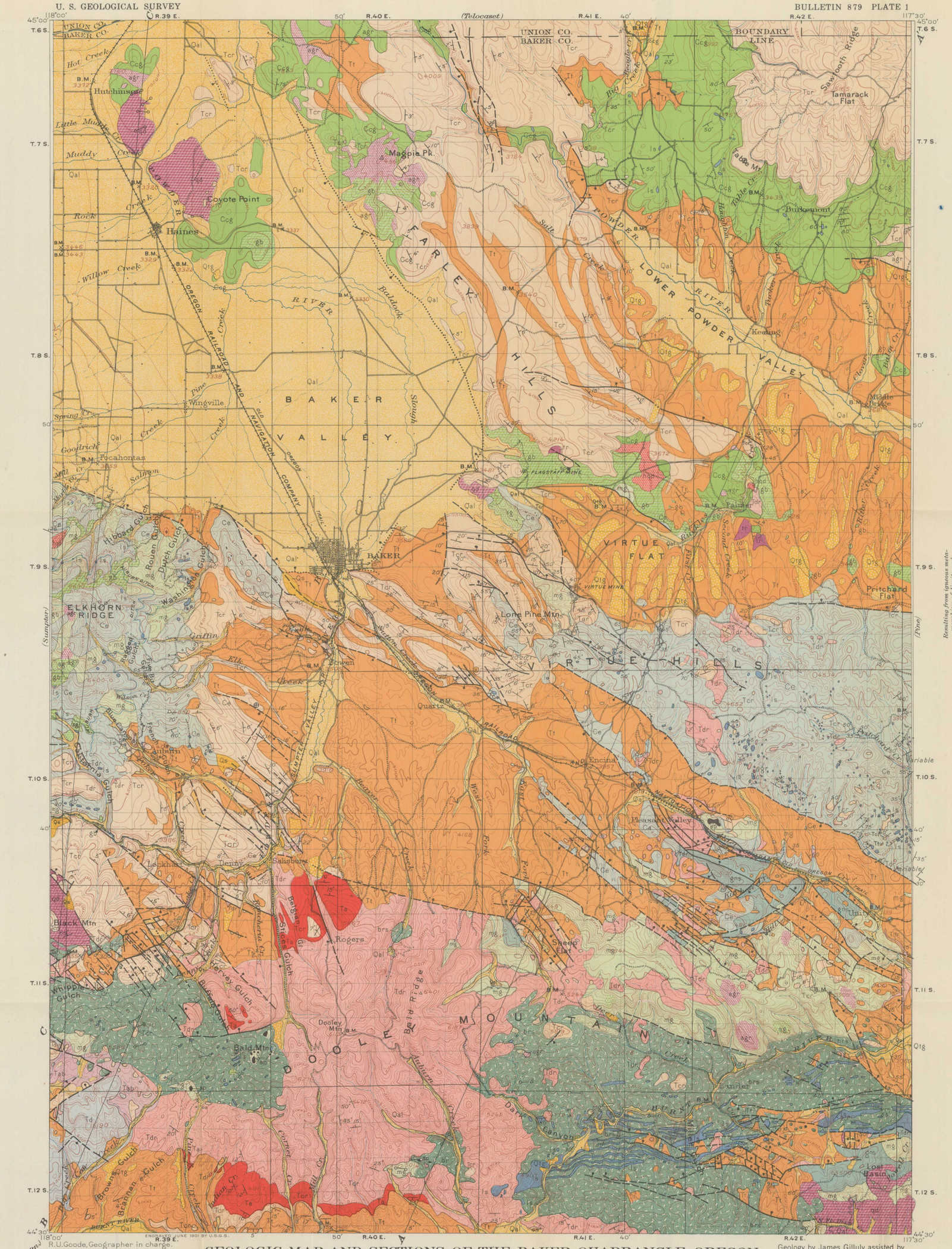
GEOLOGIC MAP AND SECTIONS OF THE BAKER QUADRANGLE, OREGON





EXPLANATION

Qs	Coluvium *(Slide rock)*	Qal	Deposits in the present stream valleys, and alluvial fans	Pleistocene and Recent — QUATERNARY
		UNCONFORMITY		
Qtg	Terrace and bench gravels			
		UNCONFORMITY		
Tt	Lacustrine and fluviatile deposits *(With some mud flows. Sand, gravel, and diatomaceous earth. Contains much volcanic material and grades into tuffs and breccias. The lower part of this formation interfingers with the Columbia River basalt and locally underlies it. Gravels below the Dooley rhyolite breccia are also included)*	Tcr	Columbia River lava *(Chiefly olivine basalt but includes much basic andesite)*	Miocene — TERTIARY — CENOZOIC
		UNCONFORMITY		
		Td	Dacite *(Probably intrusive)*	Miocene (?) — TERTIARY — CENOZOIC
		Tab	Andesitic tuff-breccia	
		UNCONFORMITY(?)		
Ta	Flow-banded red andesite with a little rhyolite			
Tdr	Dooley rhyolite breccia *(Rhyolitic and subordinate andesitic breccias and flows)*			
		UNCONFORMITY		
gs	Biotite-quartz diorite			Post-Jurassic (?) — MESOZOIC
gs	Albite granite *(Resulting from igneous metamorphism of diorite and gabbro)*	tr	Trondhjemite *(Oligoclase-quartz diorite)*	
gs	Silicified gabbro	trqd	Hornblende-quartz diorite	
sp			Serpentine derived from gabbro or peridotite	Post-Carboniferous (?) — MESOZOIC
gb mg			Gabbro, gb Metagabbro, mg	
Ccg ls			Clover Creek greenstone *(Altered volcanic flows and pyroclastic rocks, with subordinate conglomerate, limestone, and chert)*	Permian — CARBONIFEROUS — PALEOZOIC
RELATIONS UNKNOWN				
Ce ls			Elkhorn Ridge argillite *(Argillite, tuff, and chert, with subordinate limestone, ls, and greenstone masses)*	Pennsylvanian (?) — CARBONIFEROUS — PALEOZOIC
RELATIONS UNKNOWN				
brs ls			Burnt River schist *(Various greenstones, schists, quartz schist, conglomeratic schist, slate, and quartzite, and some interbedded limestone separately mapped)*	Pre-Carboniferous (?) may be younger — PALEOZOIC
gns	Greenstone of unknown age and origin (probably includes both intrusive and extrusive rocks)			

Faults, showing downthrow *(Solid line, proved fault, probably correct within 200 feet; dashed line, proved fault, less accurately located; dotted line, inferred fault, buried by younger rocks)*

60° Strike and dip of beds

Horizontal bed

Vertical bed

Strike of vertical schistosity

Geologic boundaries: Solid line, probably correct within 200 feet; dashed line, less accurately located.

R.U. Goode, Geographer in charge.
Triangulation by S.S. Gannett.
Topography by R.H. Mc.Kee.
Surveyed in 1898–99.

ENGRAVED JUNE 1901 BY U.S.G.S.

Geology by James Gilluly assisted by J. C. Reed, R. B. Stewart, C. F. Park, Jr. and H. G. Mitchell.
Surveyed in 1929–30.

Scale 1/125000
1 3/4 0 1 2 3 4 5 Miles
1 3/4 0 1 2 3 4 5 Kilometers

Contour interval 100 feet.
Datum is mean sea level.
(Readjustment indicates that elevations on this map should be increased 8 feet.)

1937