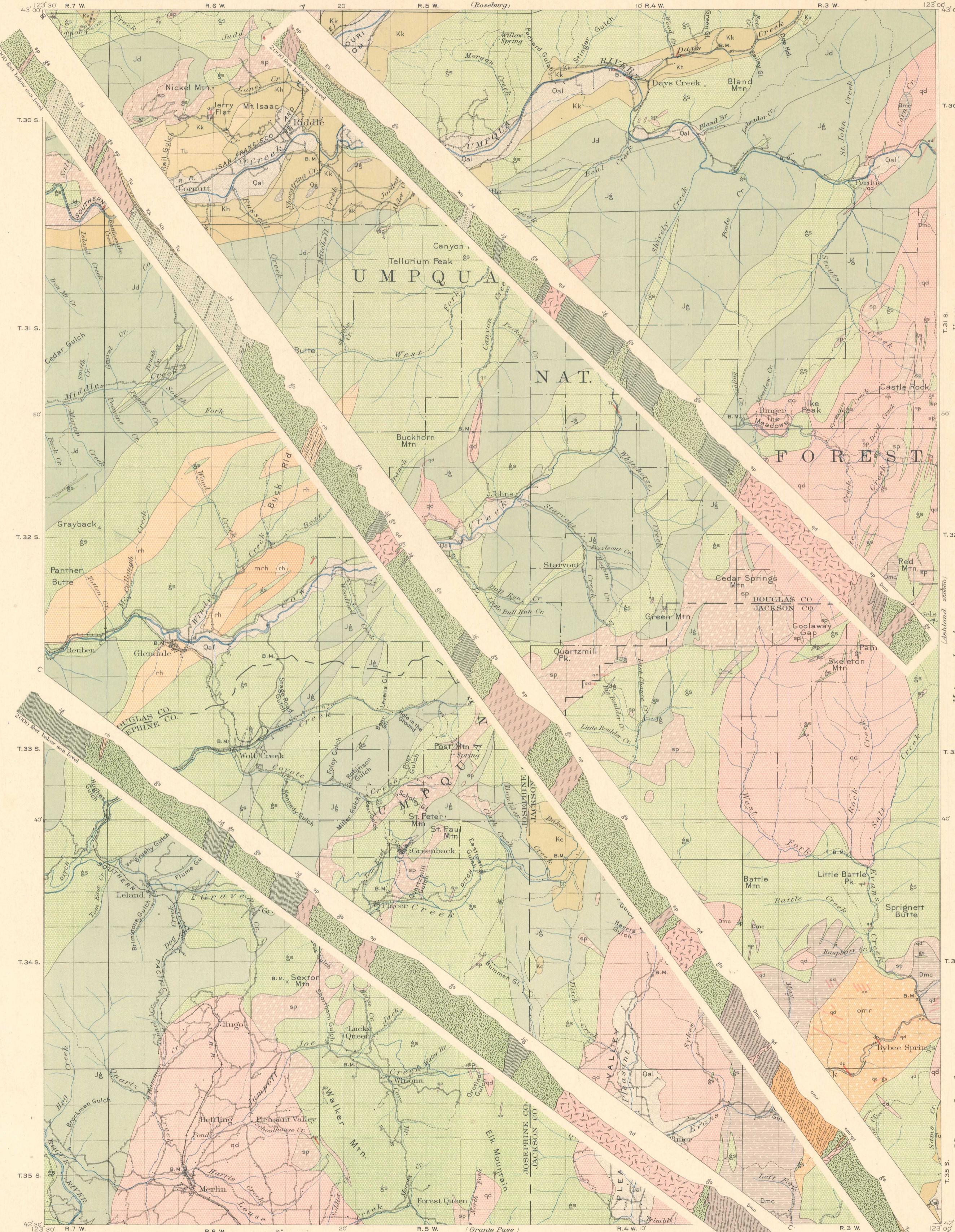


DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

STRUCTURE SECTIONS

OREGON
RIDDLE QUADRANGLE



EXPLANATION

SEDIMENTARY ROCKS

SHEET SECTION
SYMBOL SYMBOL

Qal
Alluvium
(in flood plains of
present streams)

Jd
High terrace
gravels
(remnants of old stream
gravels and alluvium
and boulders)

Tu
Tu
(UNCONFORMITY)

Umpqua
Formation
(shaly sandstone and
shale with some
conglomerates)

UNCONFORMITY

Kc
Chico formation
(shaly sandstone with
conglomerate and shales)

Kh
Kh
(UNCONFORMITY)

Horseshoe
Formation
(shaly gray shale and
thin gray sandstones)

UNCONFORMITY

Kk
Kk
(UNCONFORMITY)

Knoxville
Formation
(shaly sandstone and
shaly massive conglom-
erates)

UNCONFORMITY

Jd
Jd
(UNCONFORMITY?)

Dothan
Formation
(chiefly hard sand-
stone with some
thin conglomerates and
some gray shale)

Galice
Formation
(chiefly fine-grained dark
shaly sandstone and
conglomerates)

UNCONFORMITY

Dmc
Dmc
(UNCONFORMITY)

May Creek
Formation
(metavolcanic slate and shale)

IGNEOUS ROCKS

Tb
Basalt
(dikes)

dp
Dacite porphyry
and related rocks
(knoblike masses and
dikes)

qd
qd
Quartz diorite,
quartz-mica diorite,
and related rocks
(large intrusive masses
and dike-quartz diorite
to the west of the
South Umpqua River not
separately mapped)

sp
sp
Serpentine derived
from and including
some peridotite and
saxomite
(intrusive masses)

gs
gs
Greenstone, gabbro,
and related rocks
(basalt and intrusive
rocks; greenstone north
of Douglas County
includes quartz diorite
not separately mapped)

rh
mrh
Rhyolite
(includes some
metarhyolite, lava
flows)

omr
am
Older
metaryholite
(lava flows associated
with May Creek for-
mation)

DEVONIAN?

CHILOE LATE JURASSIC

(possibly in part Paleozoic)

LATE JURASSIC OR EARLY CRETACEOUS

Metamorphosed

sedimentary rocks

Metamorphosed

greenstone rocks

Metamorphosed

igneous rocks

Faults not shown on map or sections.

R.U. Goode, Geographer in charge.
Triangulation by W.T. Griswold.
Topography by A.B. Searle and J.G. Hefty.
Surveyed in 1901-1902.

APPROXIMATE MEAN
DECLINATION 1922.

Scale 1:250,000
1 1/2 0 1 2 3 4 5 Miles
1 1/2 0 1 2 3 4 5 Kilometers

Edition of Aug. 1923.

1	2	3	4	5
6	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	37	38	39	40

Geology by J.S. Diller and G.F. Kay.
Surveyed in 1905-1907.