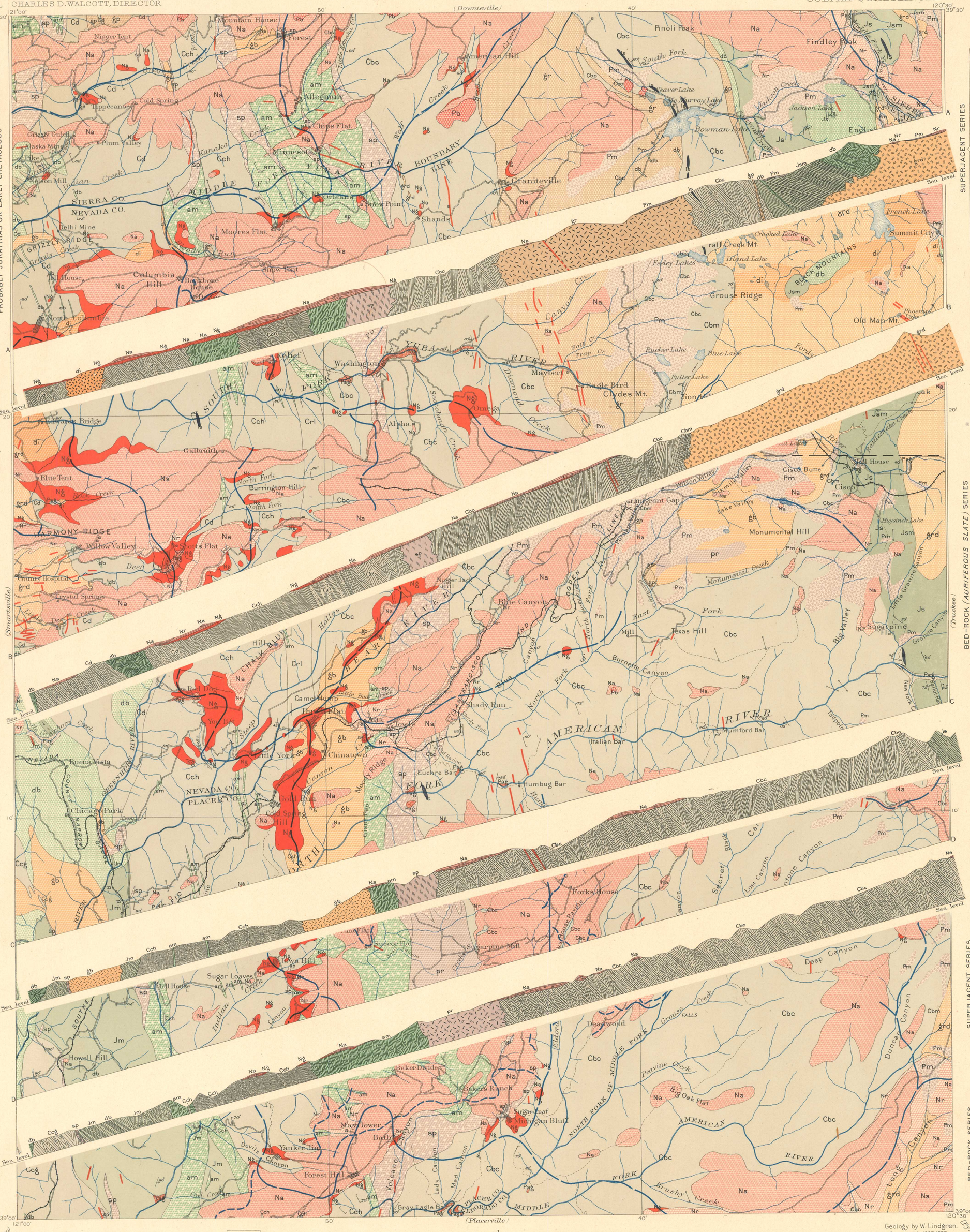
U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

STRUCTURE-SECTION SHEET

CALIFORNIA
COLFAX QUADRANGLE



LEGEND

IGNEOUS ROCKS (continued)

BED-ROCK SERIES — PROBABLY JURATRIAS OR EARLY CRETACEOUS

SHEET SYMBOL	SECTION SYMBOL	Rock
di	di	Diorite (including quartz-diorite and augite-diorite)
gb	gb	Gabbro (including saussurite-gabbro)
pr	pr	Peridotite (with some pyroxenite, partly serpentinized)
sp	sp	Serpentine (derived in part from peridotite)
db	db	Diabase, diabase-porphyrite, augite-porphyrite, and hornblende-porphyrite (massive rocks, tuffs, and breccias)
am	am	Amphibolite (mostly schistose, derived from various basic igneous rocks of the bed-rock series)

Dip and strike of stratified rocks
Vertical dip and strike of stratified rocks
Dip and strike of schistosity
Vertical dip and strike of schistosity

Known productive formations
Gold quartz veins
Auriferous gravels
Limestone (in Carboniferous and Juratrias formations)
Channels of Neocene intervolcanic streams (probable course)
Channels of Neocene prevolcanic streams (probable course)

LEGEND

SURFICIAL ROCKS

SHEET SYMBOL	SECTION SYMBOL	Rock	
Pag		Alluvial deposits (chiefly river-gravels, recent and glacial)	PLEISTOCENE
Pm	Pm	Moraines and glacial drift	PLEISTOCENE

SEDIMENTARY ROCKS

SUPERJACENT SERIES

SHEET SYMBOL	SECTION SYMBOL	Rock	
Ng	Ng	Auriferous gravels (river-gravels, sands, and clays)	NEOCENE

BED-ROCK (AURIFEROUS SLATE) SERIES — Subdivisions of the Calaveras formation

SHEET SYMBOL	SECTION SYMBOL	Rock	
Jm	Jm	Mariposa formation (dark clay slates, sandstone, and conglomerate)	JURATRIAS
Js	Js	Sailor Canyon formation (calcareous clay slates with some limestone)	JURATRIAS
Jsm	Jsm	Sailor Canyon formation (contact metamorphic rocks, chiefly mica-schist and hornfels)	JURATRIAS
Ccg	Ccg	Clipper Gap formation (clay slates, chert, and limestone)	CARBONIFEROUS
Cd	Cd	Delhi formation (black siliceous rocks, rarely schistose)	CARBONIFEROUS
Cch	Cch	Cape Horn formation (fissile clay slates)	CARBONIFEROUS
Crl	Crl	Relief formation (chert and quartzite)	CARBONIFEROUS
Cbc	Cbc	Blue Canyon formation (fissile clay slates and quartzitic sandstone; chert and limestone in eastern part)	CARBONIFEROUS
Cbm	Cbm	Blue Canyon formation (contact metamorphic rocks, chiefly mica-schist)	CARBONIFEROUS
ls	ls	Limestone lenses (in Carboniferous and Juratrias formations)	CARBONIFEROUS

IGNEOUS ROCKS

SUPERJACENT SERIES

SHEET SYMBOL	SECTION SYMBOL	Rock	
Pb		Basalt	PLEISTOCENE
Na	Na	Andesite (fragmental, chiefly tuff-breccias)	NEOCENE
Nr	Nr	Rhyolite (massive and fragmental)	NEOCENE

BED-ROCK SERIES — PROBABLY JURATRIAS OR EARLY CRETACEOUS

SHEET SYMBOL	SECTION SYMBOL	Rock
gr	gr	Granite
gp	gp	Granite-porphyry
grd	grd	Granodiorite