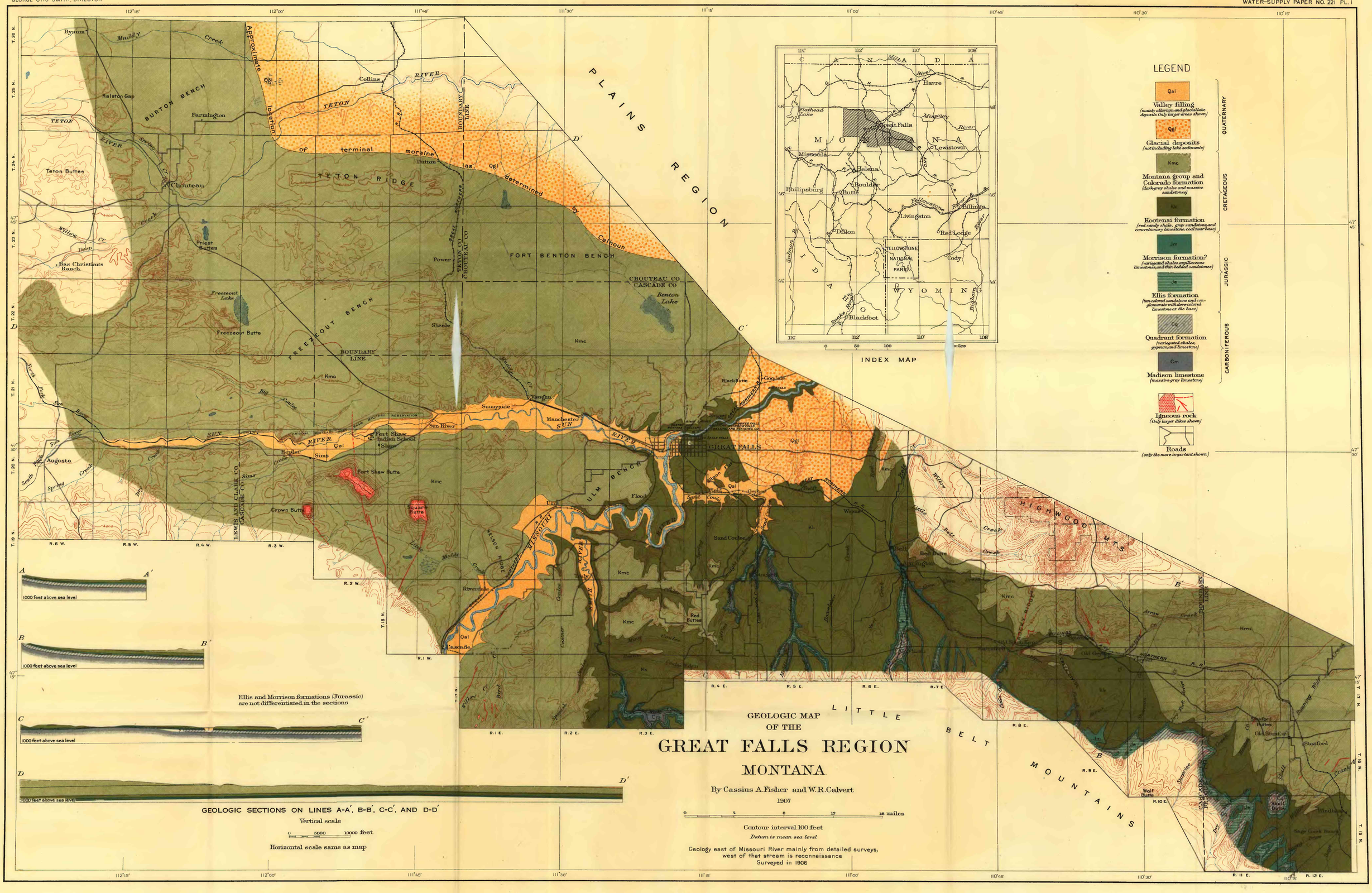
GEOLOGIC MAP
OF THE
GREAT FALLS REGION
MONTANA
By Cassius A. Fisher and W. R. Calvert
1907
Contour interval 100 feet
Datum is mean sea level
Geology east of Missouri River mainly from detailed surveys; west of that stream is reconnaissance
Surveyed in 1906
LEGEND
Valley filling
(mainly alluvium and glacial lake deposits. Only larger areas shown)
Glacial deposits
(not including lake sediments)
Montana group and Colorado formation
(dark-gray shales and massive sandstones)
Kootenai formation
(red sandy shale, gray sandstone, and concretionary limestone, coal near base)
Morrison formation?
(variegated shales, argillaceous limestones, and thin-bedded sandstones)
Ellis formation
(tan-colored sandstone and conglomerate with dove-colored limestone at the base)
Quadrant formation
(variegated shales, gypsum, and limestone)
Madison limestone
(massive gray limestone)
Igneous rock
(Only larger dikes shown)
Roads
(only the more important shown)
QUATERNARY
CRETACEOUS
JURASSIC
CARBONIFEROUS
INDEX MAP
GEOLOGIC SECTIONS ON LINES A-A′, B-B′, C-C′, AND D-D′
Vertical scale
Horizontal scale same as map
Ellis and Morrison formations (Jurassic) are not differentiated in the sections
PLAINS REGION
TETON RIDGE
BURTON BENCH
FREEZEOUT BENCH
FORT BENTON BENCH
ULM BENCH
LITTLE BELT MOUNTAINS
HIGHWOOD MTS
GREAT FALLS
Approximate location of terminal moraine as determined by Calhoun
TETON RIVER
SUN RIVER
MISSOURI RIVER
Muddy Creek
Bynum
Ralston Gap
Farmington
Collins
Dutton
Teton Buttes
Choteau
Priest Buttes
Bas Christian's Ranch
Freezeout Lake
Freezeout Butte
Power
Steele
Benton Lake
Kmc
Sunnyside
Manchester
Vaughn
Sun River
Fort Shaw
Fort Shaw Indian School
Sims
Augusta
Fort Shaw Butte
Crown Butte
Square Butte
Flood
Riverdale
Cascade
Sand Coulee
Red Buttes
Black Butte
Gordon Butte
Belt Butte
Stanford
Stanford Buttes
Old Stanford
Wolf Butte
Shaft Buttes
Windham
Havre
Flathead Lake
Great Falls
Missoula
Helena
Lewistown
Philipsburg
Butte
Boulder
Livingston
Billings
Dillon
Red Lodge
Cody
Blackfoot
YELLOWSTONE NATIONAL PARK
MONTANA
WYOMING
IDAHO
CANADA
Miles
Feet
Meters