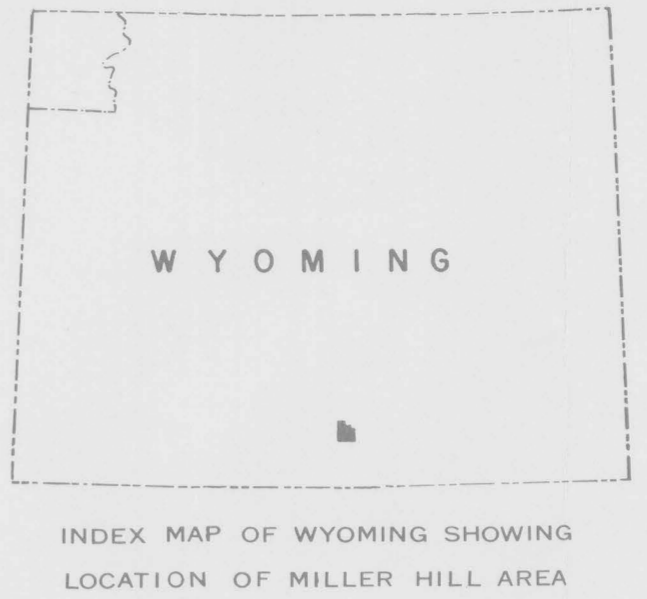


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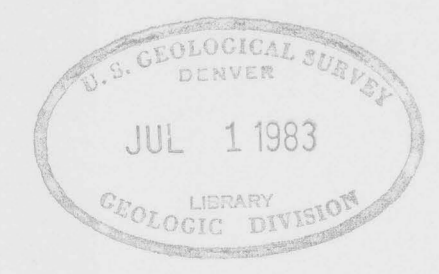
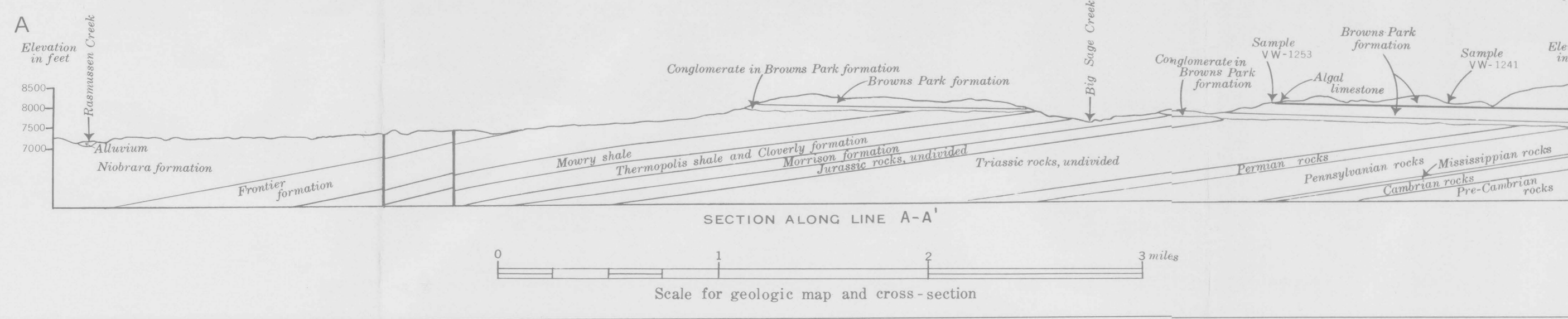


EXPLANATION

- SURFICIAL DEPOSITS**
- Alluvium
(chiefly clay, silt, sand, gravel, and cobbles)
 - Landslide debris
(sorted and unsorted rock debris)
- QUATERNARY**
- SEDIMENTARY ROCKS**
- MIOCENE ?**
- Browns Park formation
(white massive soft tuffaceous sandstone and white marl underlain by conglomerate; T₁ is algal limestone; T₂ is basal conglomerate)
- UPPER CRETACEOUS**
- Steele shale
(gray soft shale and thin gray lenticular sandstone beds; contains marine fossils)
 - Niobrara formation
(light-gray limestone and smoky gray limy shale; contains marine fossils)
 - Frontier formation
(gray thin-bedded fine-grained sandstone interbedded with gray shale; contains marine fossils)
 - Mowry shale
(hard, black and gray shale that weathers silvery gray; contains thin bentonite beds and abundant fish scales)
- CRETACEOUS**
- LOWER CRETACEOUS**
- Thermopolis shale
(black shale that has Studdy sandstone member 50 feet above base)
 - Cloverly formation
(light-gray, sparkly clean sandstone and lenticular chert pebble conglomerate)
 - Morrison formation
(green, pink, and gray siliceous claystone with nodular limestone and gray sandstone lenses)
- JURASSIC**
- Jurassic rocks, undivided
(in descending order: greenish-gray glauconitic shale and sandstone; gray fine-grained limy non-glauconitic sandstone with large frosted rounded grains; dull pink to gray non-calcareous sandstone with large frosted rounded grains comprising Nugget sandstone at base)
- TRIASSIC**
- Triassic rocks, undivided
(red siltstone, purple shale, and red shaly sandstone)

- Fault
(dashed where approximately located and dotted where concealed)
 - Formation boundary
(dashed where approximately located)
 - Airborne radioactivity anomaly
 - Radioactivity anomaly located on ground
 - Spring sampled for water analysis
- VW-1245 Number of sample analyzed for uranium

Geologic contacts from unpublished map by Gene Del Mauro except for details within Browns Park formation; these and classification, descriptions, and cross-section are by J. D. Lose and J. D. Vine.



PLEASE REPLACE IN POCKET
IN BACK OF BOUND VOLUME

PLATE I.-- GEOLOGIC MAP OF THE MILLER HILL AREA, CARBON COUNTY, WYOMING