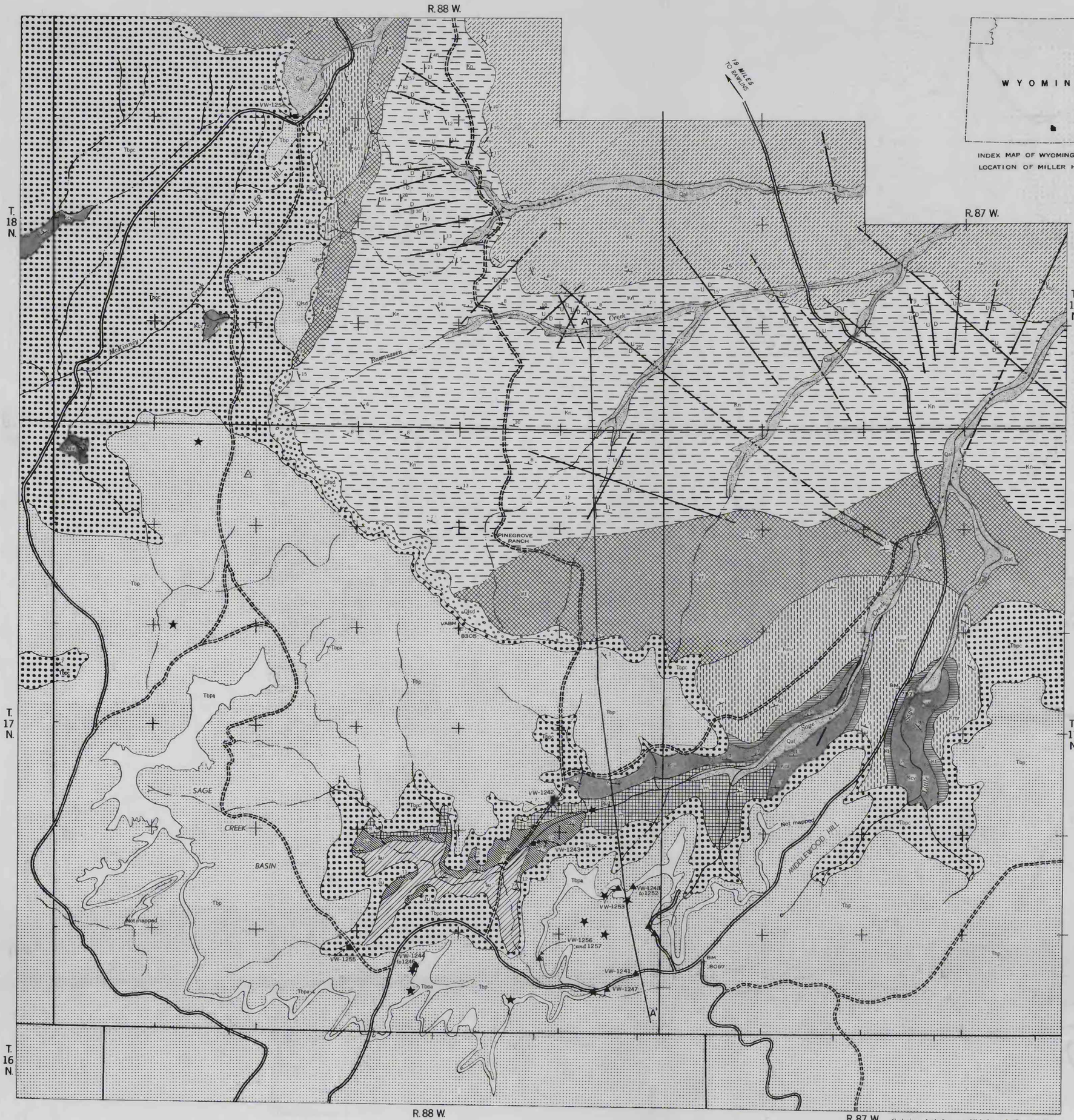

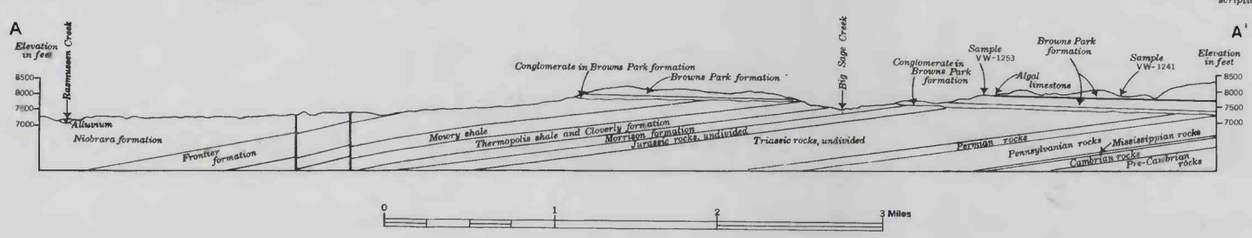

EXPLANATION

SURFICIAL DEPOSITS

QUATERNARY

Qal — **Alluvium**
Chiefly clay, silt, sand, gravel, and cobbles

Qlsd — **Landslide debris**
Unsized and unsorted rock debris

SEDIMENTARY ROCKS

TERTIARY — *Miocene (?)*

Tbp, Tbpa, Tbpc — **Browns Park formation**
White massive soft tuffaceous sandstone and white marl underlain by conglomerate; Tbpa is algal limestone; Tbpc is basal conglomerate

CRETACEOUS — *Upper Cretaceous*

Ks — **Steele shale**
Gray soft shale and thin gray lenticular sandstone beds; contains marine fossils

Kn — **Niobrara formation**
Light-gray limestone and smoky-gray limy shale; contains marine fossils

Kf — **Frontier formation**
Gray thin-bedded fine-grained sandstone interbedded with gray shale; contains marine fossils

Lower Cretaceous

Kmr — **Mowry shale**
Hard black and gray shale that weathers silvery gray; contains thin bentonite beds and abundant fish scales

Kt — **Thermopolis shale**
Black shale that has Muddy sandstone member 80 feet above base

Kcv — **Cloverly formation**
Light-gray sparkly clean sandstone and lenticular chert pebble conglomerate

JURASSIC

Jm — **Morrison formation**
Green, pink, and gray siliceous claystone with nodular limestone and gray sandstone lenses

Ju — **Jurassic rocks, undivided**
In descending order: greenish-gray glauconite shale and sandstone; gray fine-grained limy nonglauconitic sandstone with large frosted rounded grains; dull-pink to gray noncalcareous sandstone with large frosted rounded grains comprising Nugget sandstone at base

TRIASSIC

Ru — **Triassic rocks, undivided**
Red siltstone, purple shale, and red shaly sandstone

Formation boundary
Dashed where approximately located

U D 25' — **Fault**
Dashed where approximately located, dotted where concealed. U, upthrown side; D, downthrown side and amount of displacement

7 — **Strike and dip of beds**

★ **Radioactivity anomaly located by airplane**

▲ **Radioactivity anomaly located on ground**

■ **Spring sampled for water analysis**

VW-1245 — **Number of sample analyzed for uranium**

GEOLOGIC MAP OF THE MILLER HILL AREA, CARBON COUNTY, WYOMING