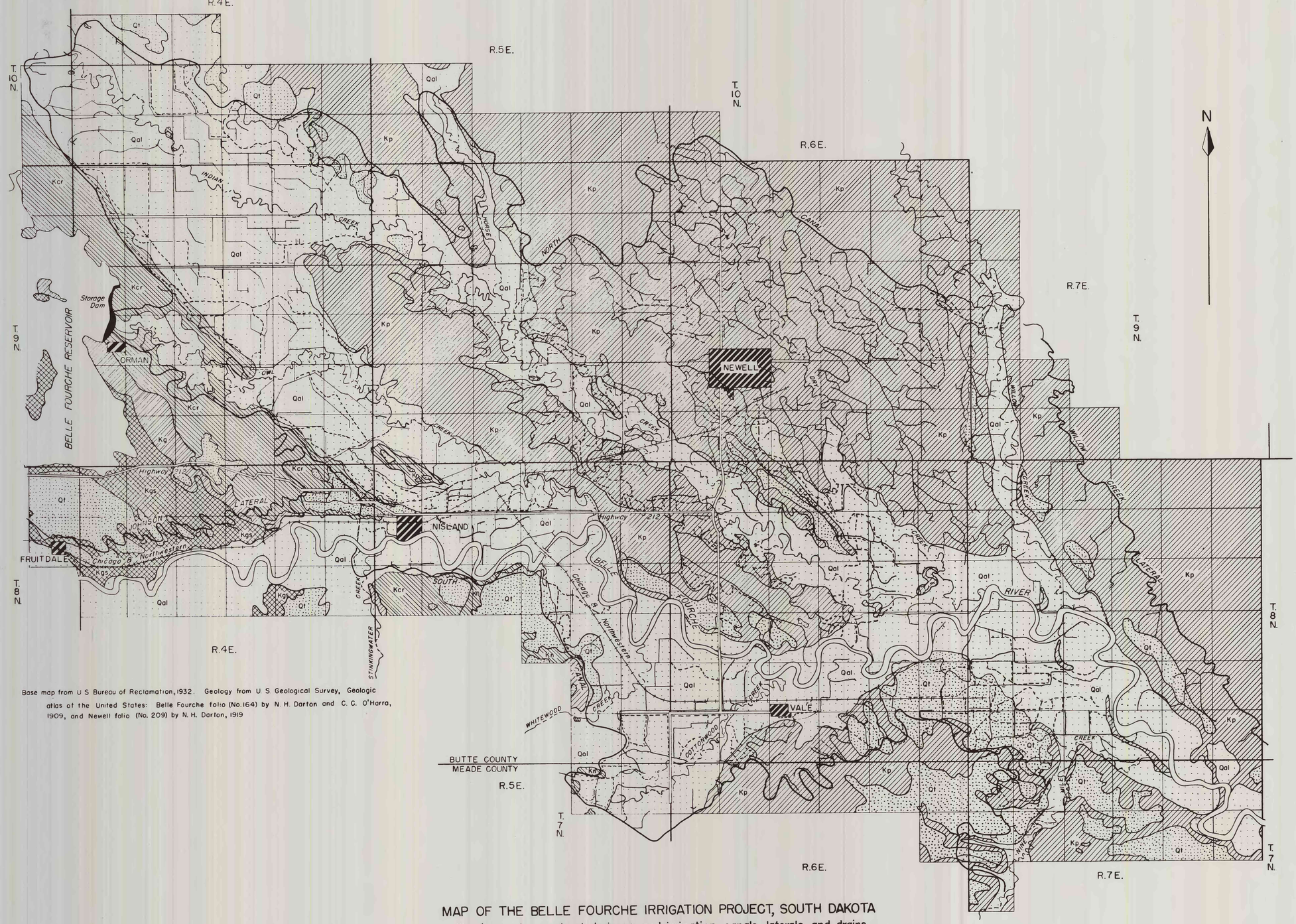
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLATE I S2-132
BELLE FOURCHE

PRELIMINARY DRAFT
OF PROPOSED REPORT
FOR OFFICIAL REVIEW ONLY
SUBJECT TO REVISION




Base map from U S Bureau of Reclamation, 1932. Geology from U S Geological Survey, Geologic atlas of the United States: Belle Fourche folio (No. 164) by N. H. Darton and C. C. O'Harra, 1909, and Newell folio (No. 209) by N. H. Darton, 1919

## EXPLANATION

**QUATERNARY**

*Recent*

- **Qal** — Alluvium (sand and loam; only the larger deposits represented)

*Pleistocene*

- **Qt** — Older terrace deposits (gravel and loam)

**CRETACEOUS**

*Upper Cretaceous*

- **Kp** — Pierre shale (dark-gray shale with concretions and limestone lentils that form "Tepee buttes")
- **Kn** — Niobrara formation (limy shale and impure chalk)
- **Kcr** — Carlile shale (gray shale with concretions and thin sandstones)
- **Kg** — Greenhorn limestone (impure slabby limestone)
- **Kgs** — Graneros shale (gray fissile shale)

Canals and principal laterals

Secondary laterals

Drains

# MAP OF THE BELLE FOURCHE IRRIGATION PROJECT, SOUTH DAKOTA

Showing geology, natural drainage, and irrigation canals, laterals, and drains

1 0 1 2 3 4 Miles

1951