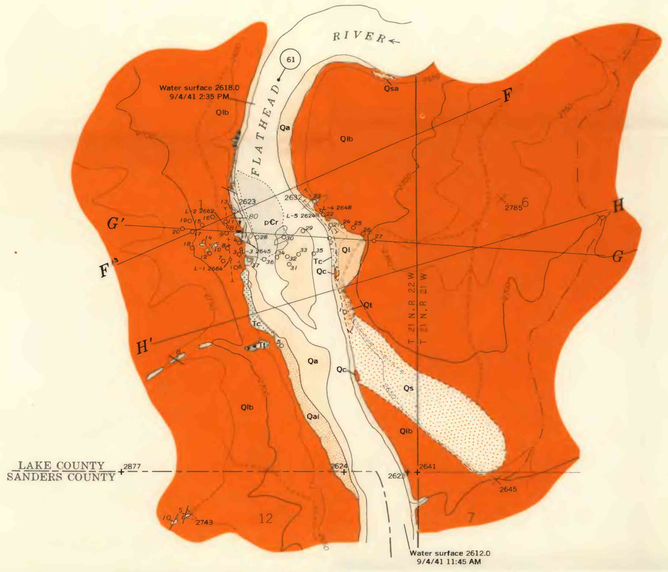
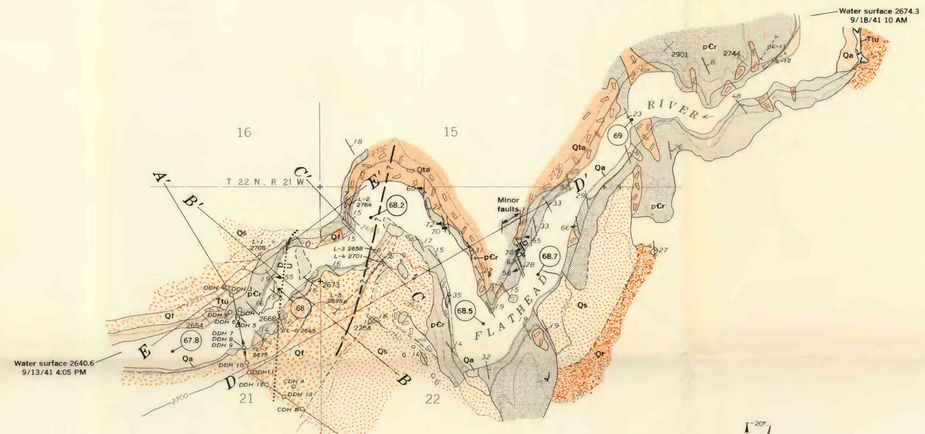


BUFFALO DAMSITE 2

SCALE 1:9 600

1000 0 1000 2000 FEET

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

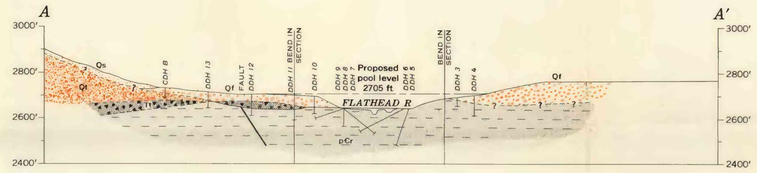


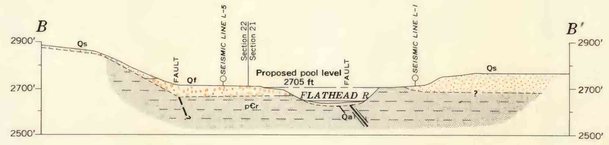
BUFFALO DAMSITE 1

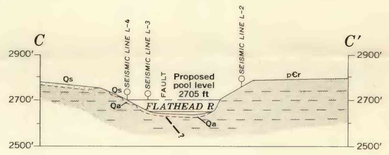
SCALE 1:9 600

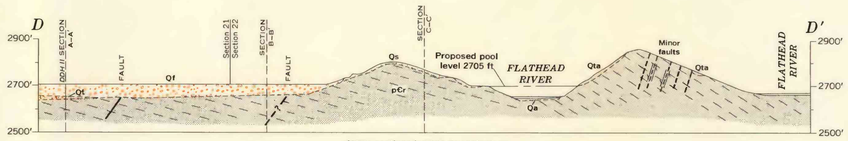
1000 0 1000 2000 FEET

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

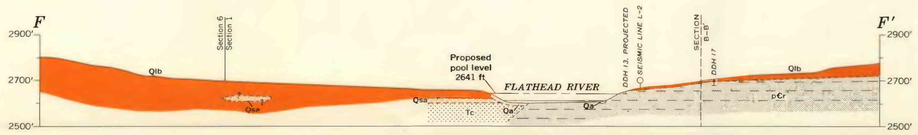


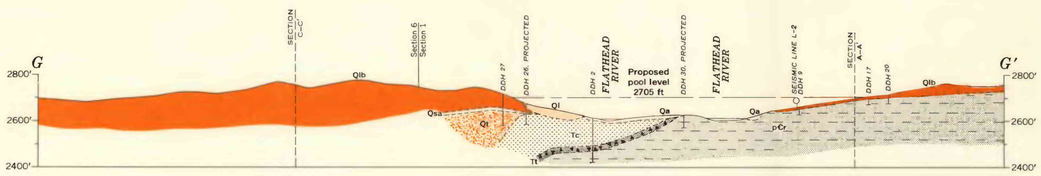


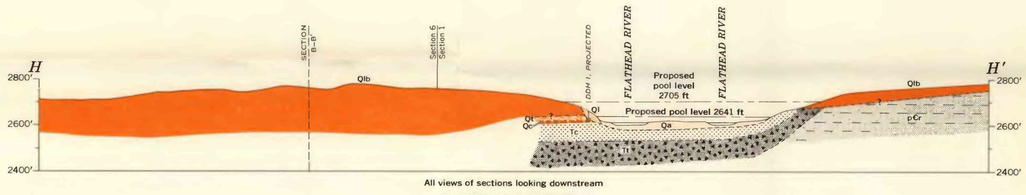




Above sections looking downstream

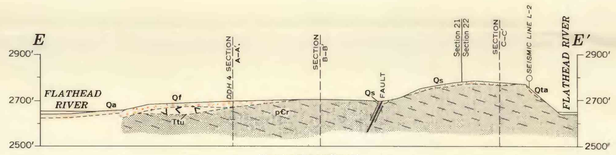






All views of sections looking downstream

BUFFALO DAMSITE 2



View looking northwest

BUFFALO DAMSITE 1

SCALE 1:4 800

400 0 400 800 1200 1600 FEET

EXPLANATION

QUATERNARY

Recent

- **Qa** — Active alluvium
- **Qai** — Inactive alluvium
- **Qta** — Talus
- **Ql** — Landslide
- **Qs** — Topsoil, silt, sand, gravel, and occasionally some talus
- **Qf** — Fluvial deposits
  Large blocks of Ravalli Group embedded in silt, sand, and gravel

Pleistocene

- **Qlb** — Glacial-lake-bed silt
  Generally with thin cover of topsoil
- **Qsa** — Sand and gravel
  Occurs as lens in lake beds or overlies till
- **Qt** — Till
- **Qc** — Conglomerate

TERTIARY(?)

- **Ttu** — Tuff
- **Tc** — Interbedded gritty clay, siltstone, sand, sandstone, conglomerate, and slightly reworked talus breccia
- **Tt** — Talus breccia
  Angular to subangular fragments of quartzite and argillite in a sand to silt matrix

PRECAMBRIAN

Belt Series

- **pCr** — Ravalli Group
  Quartzite and argillite

Contact
Dashed where approximately located; dotted where concealed

Fault, showing dip
Dotted where concealed. U, upthrown side; D, downthrown side

Doubtful or probable fault

Strike and dip of beds

Strike and dip of shears

Diamond-drill hole
Drilled by Montana Power Co., 1953 and 1945

Churn-drill hole
Drilled by Montana Power Co., 1952(?)

Seismic line
With location and altitude of shot point U.S. Army Corps of Engineers, 1941

Planetable bench mark, with altitude

Found corner, with altitude

River mileage
With respect to mouth of river

Base from U.S. Geological Survey River Survey, Flathead River below Flathead Lake, Montana, 1947

Geology by Kenneth S. Soward, 1953

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965—C63351

GEOLOGIC MAP AND SECTIONS OF BUFFALO DAMSITES 1 AND 2, LOWER FLATHEAD RIVER, LAKE AND SANDERS COUNTIES, MONTANA