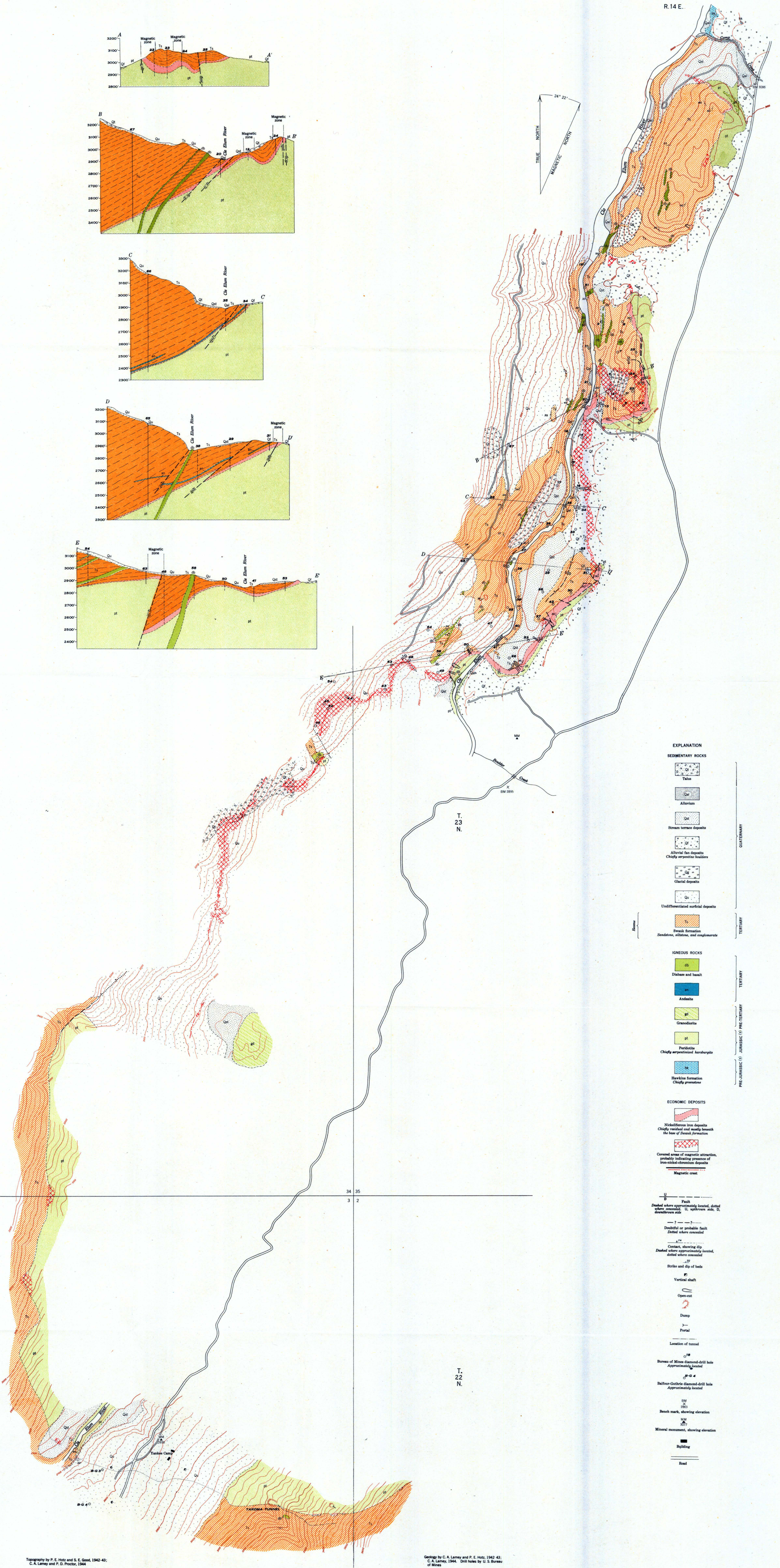
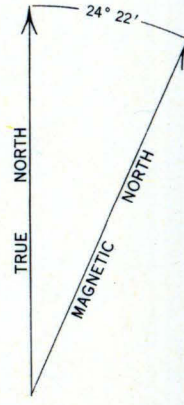
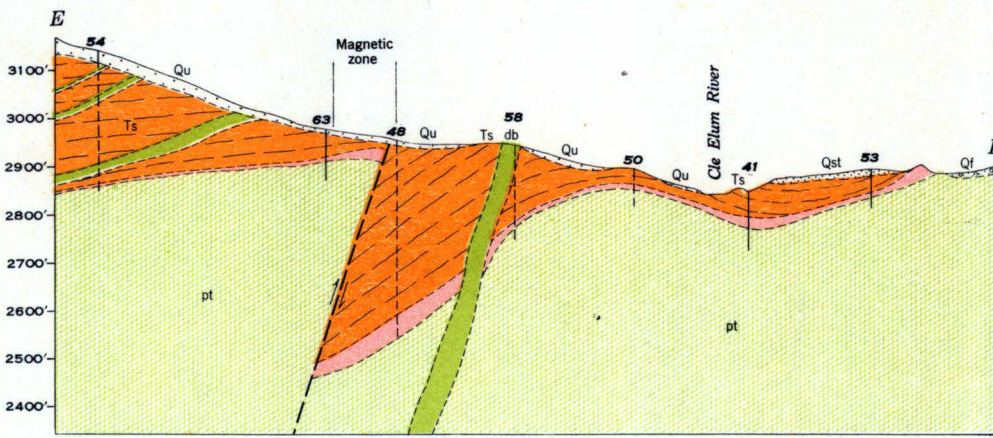
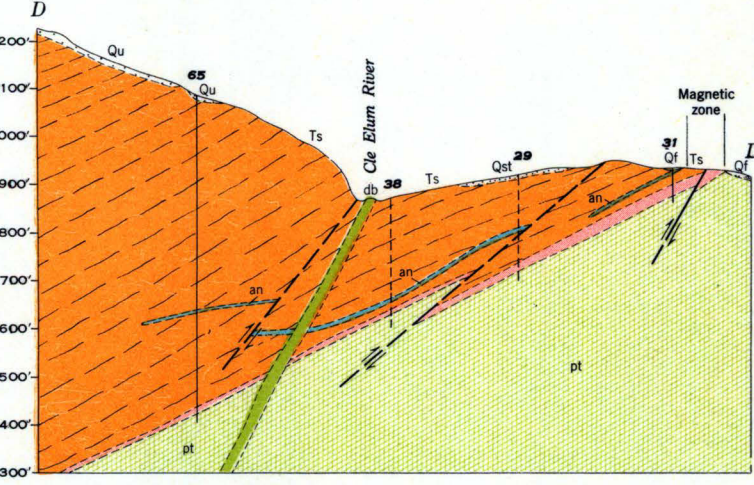
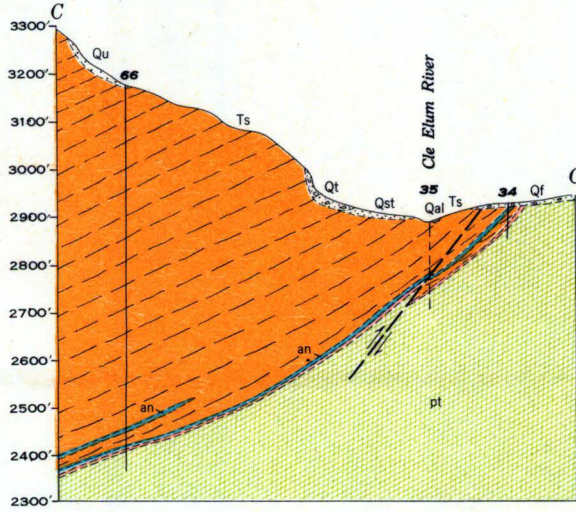
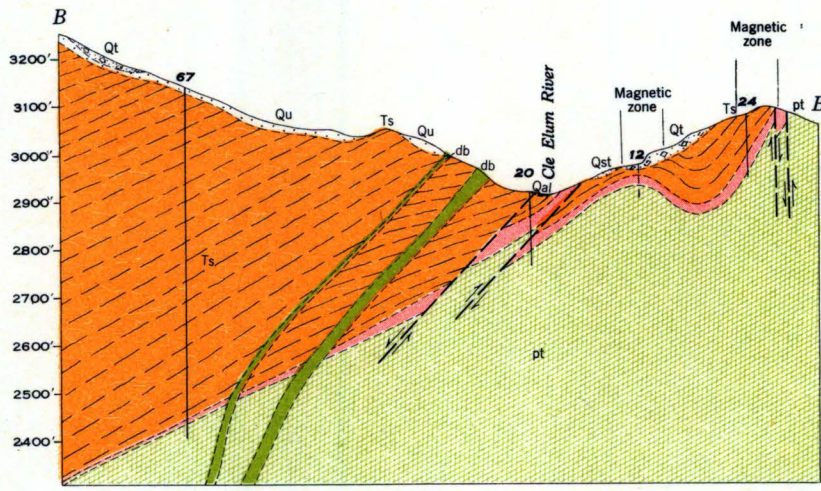
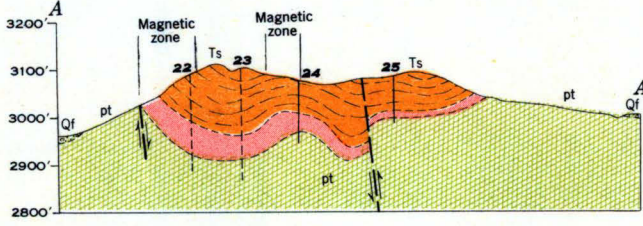


R. 14 E.



EXPLANATION

SEDIMENTARY ROCKS

- Talus
- Quartzite
- Alluvium
- Stream terrace deposits
- Alluvial fan deposits
Chiefly argillaceous boulders
- Clayey deposits
- Undifferentiated surficial deposits

QUATERNARY

TECTONIC

- Swack formation
Sandstone, siltstone, and conglomerate

TECTONIC

IGNEOUS ROCKS

- Diorite and basalt
- Andesite
- Granodiorite
- Peridotite
Chiefly serpentinized hornblende
- Hawkins formation
Chiefly gneiss

TECTONIC

PRE-JURASSIC (?) JURASSIC (?) PRE-TECTONIC

ECONOMIC DEPOSITS

- Nickeliferous iron deposits
Chiefly residual and mostly beneath
the base of Swack formation
- Covered areas of magnetic attraction,
probably indicating presence of
iron-titanium-chromium deposits
- Magnetic crest

- Fault
Dashed where approximately located, dotted
where concealed. U, upstream side, D,
downstream side
- Doubtful or probable fault
Dotted where concealed
- Contact, showing dip
Dashed where approximately located,
dotted where concealed
- Strike and dip of beds
- Vertical shaft
- Open-cut
- Dump
- Portal
- Location of tunnel
- Bureau of Mines diamond-drill hole
Approximately located
- Halfway-Guthrie diamond-drill hole
Approximately located
- Bench mark, showing elevation
- Mineral monument, showing elevation
- Building
- Road

Topography by P. E. Holz and S. E. Good, 1942-43;
C. A. Lamey and P. D. Proctor, 1944

Geology by C. A. Lamey and P. E. Holz, 1942-43;
C. A. Lamey, 1944. Drill holes by U. S. Bureau
of Mines

GEOLOGIC MAP AND SECTIONS OF THE CLE ELUM RIVER NICKELIFEROUS IRON DEPOSITS, KITTITAS COUNTY, WASHINGTON

