

LEGEND

**RECENT AND PLEISTOCENE**  
Q  
Superficial deposits  
(Chiefly gravel, sand, silt, loess, peat, and soil gravels.)

**CRETACEOUS**  
K-C  
Upper Carboniferous  
(Chiefly shales, sandstones, graywackes, conglomerates, slates, and gneisses, with occasional beds of limestone interbedded with lower members.)

**CARBONIFEROUS**  
C  
Pennsylvanian and Mississippian  
(Chiefly shales, sandstones, graywackes, conglomerates, slates, and gneisses, with occasional beds of limestone interbedded with lower members. Rocks characteristically very siliceous. May include small areas of C.)

**DEVONIAN, SILURIAN, ORDOVICIAN, AND CAMBRIAN**  
D-61  
(Chiefly limestone and dolomite with occasional interbedded quartzite beds. Rocks characteristically very siliceous. May include small areas of C.)

**LOWER CAMBRIAN OR PRE-CAMBRIAN**  
A2  
Tindir group  
(Chiefly quartzites, shales, phyllites and dolomites, with some included gneisses.)

**Igneous Rocks**

**MESOZOIC ?**  
2  
(Granite, diorite, gneiss, and related types.)

**PRE-MIDDLE CAMBRIAN, IN PART DEVONIAN**  
1  
(Diorite, diabase, andesite, and other basic igneous intrusions.)

**Symbols**

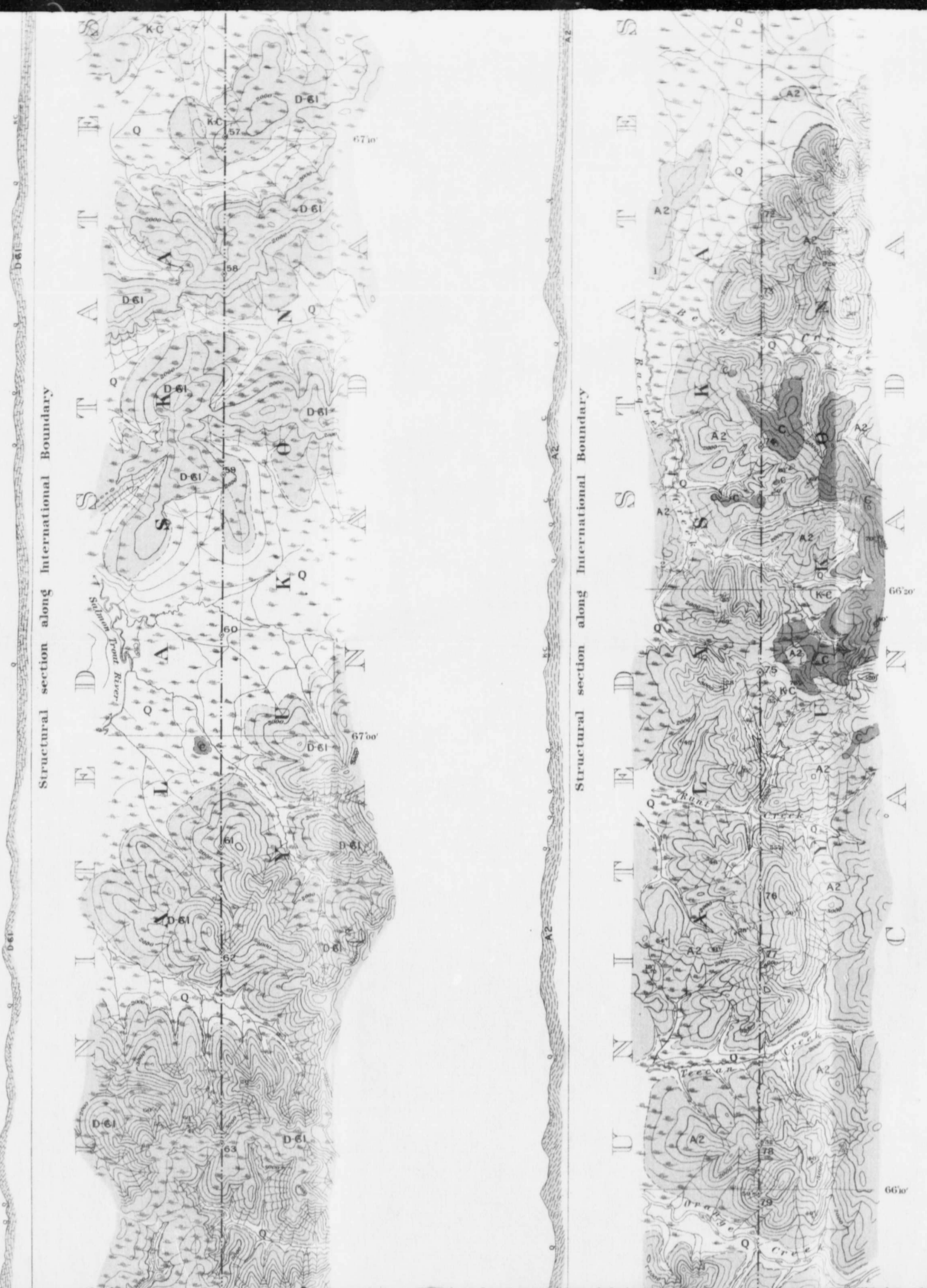
Geological boundary (observed)

Geological boundary (presumed inferred)

Fault (observed)

Fault (presumed inferred)

Dip and strike



LEGEND

**Culture**

Boundary Survey trail

Boundary and Monuments

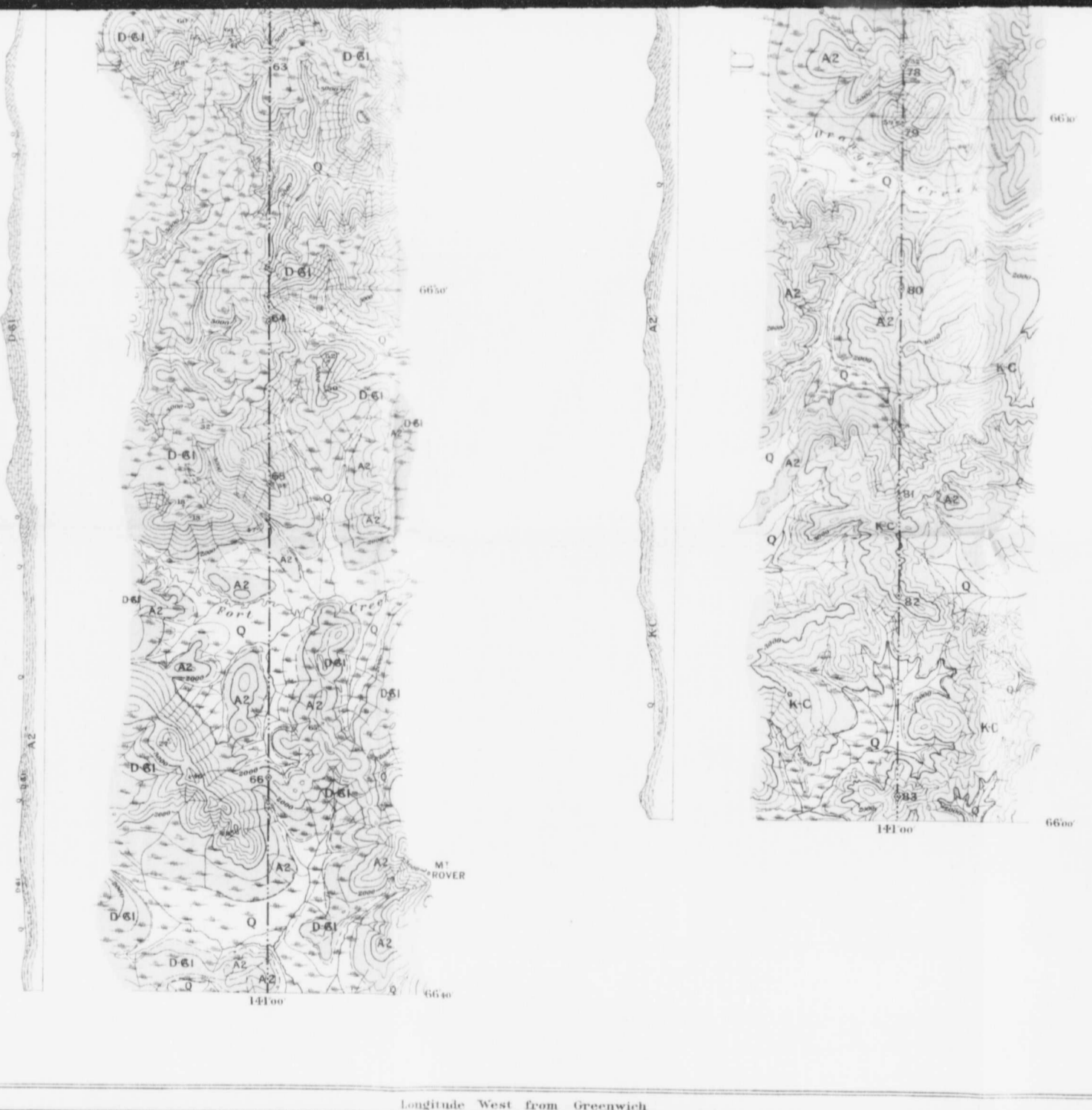
**Water**

Rivers and streams

Marshes

**Relief**

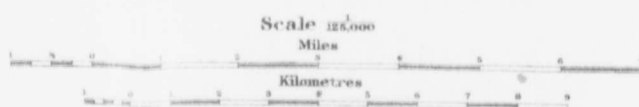
Contours  
(Showing local form)  
Interval 500 feet



G. Senecal, Geographer and Chief Draftsman  
A. Bradford, Draftsman

MAP 141A  
(Issued 1915)

YUKON-ALASKA INTERNATIONAL BOUNDARY  
BETWEEN YUKON AND PORCUPINE RIVERS  
(Northern Sheet)



TOPOGRAPHY  
BASE-MAP REPRODUCED FROM MAPS OF THE  
INTERNATIONAL BOUNDARY COMMISSION  
GEOLOGY  
D.D. CAIRNES 1911, 1912

To accompany Memoir by D.D. Cairnes.

Note: For practical purposes assume  
2 MILES TO 1 INCH