

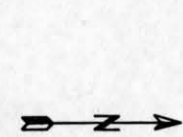
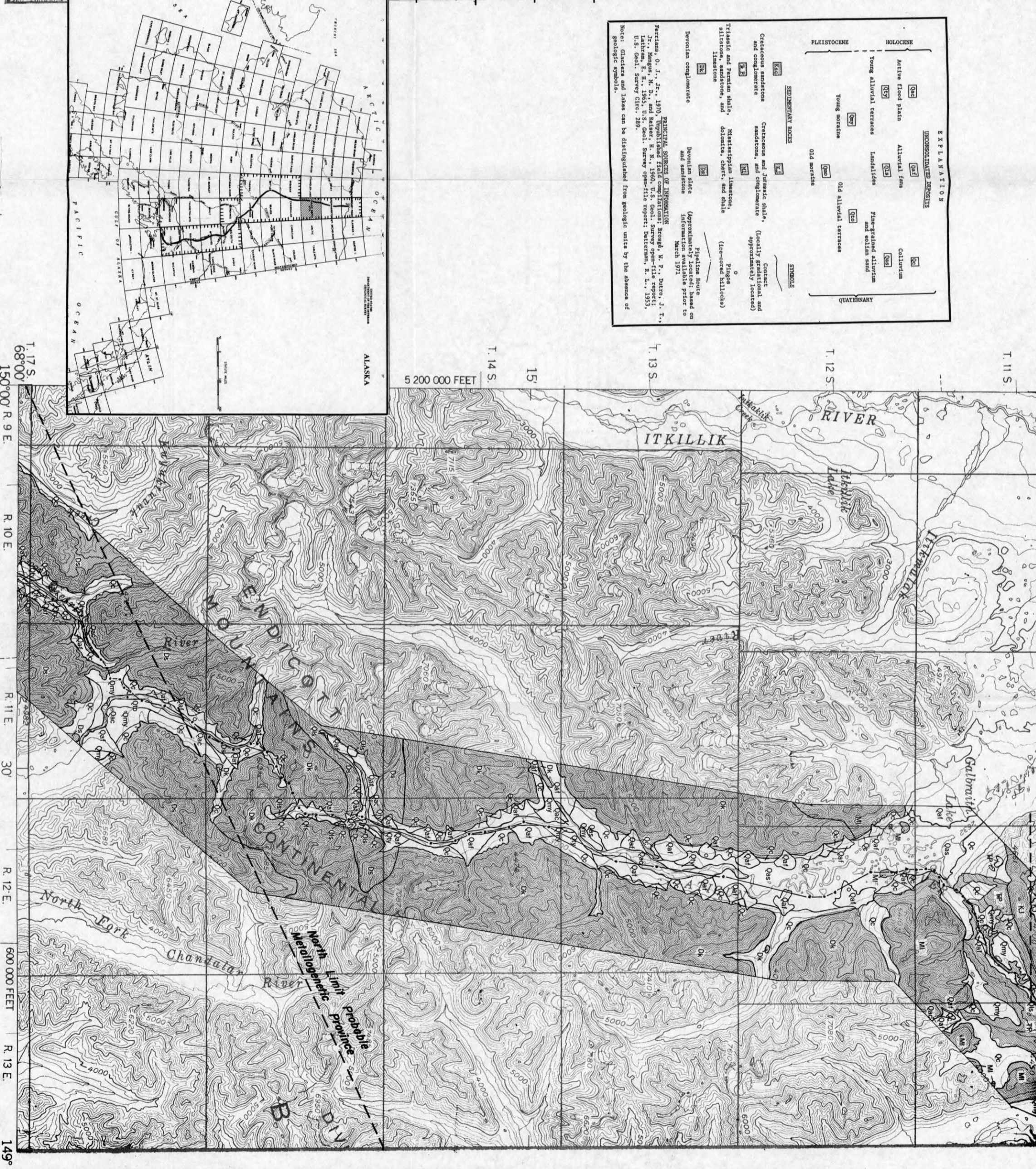
**EXPLANATION**

PLEISTOCENE		HOLOCENE	
(Q12) Active flood plain	(Q11) Alluvial fans	(Q10) Old alluvial terraces	(Q9) Coluvium
(Q8) Young alluvial terraces	(Q7) Landslides	(Q6) Old alluvial terraces	(Q5) Fine-grained alluvium and colluvium
(Q4) Young moraine	(Q3) Old moraine		

**SYMBOLS**

(S1) Sedimentary rocks	(S2) Cretaceous and Jurassic shales, sandstones, and conglomerates	(S3) Contact (approximately located)
(S4) Cretaceous and Permian shales, silicates, sandstones, and siltstones	(S5) Mesozoic igneous rocks (granite, gneiss, and diorite)	(S6) Devonian conglomerate
(S7) Devonian shales	(S8) Devonian shales (approximately located)	(S9) Plutonic rocks (approximately located)

**REVISIONS:** O. J. Jr., 1970, hydrographic map (U.S. Geol. Surv. Prof. Paper 1351-A); J. R. Smith, 1955, U.S. Geol. Surv. Prof. Paper 1351-B; U.S. Geol. Surv. Prof. Paper 1351-C.



Base from U. S. Geology Survey 1:250,000 series, 1955



FIGURE 2. - Preliminary engineering geologic maps of the proposed Trans-Alaska Pipeline route, Philip Smith Mountains Quadrangle.

Bedrock units shaded.