

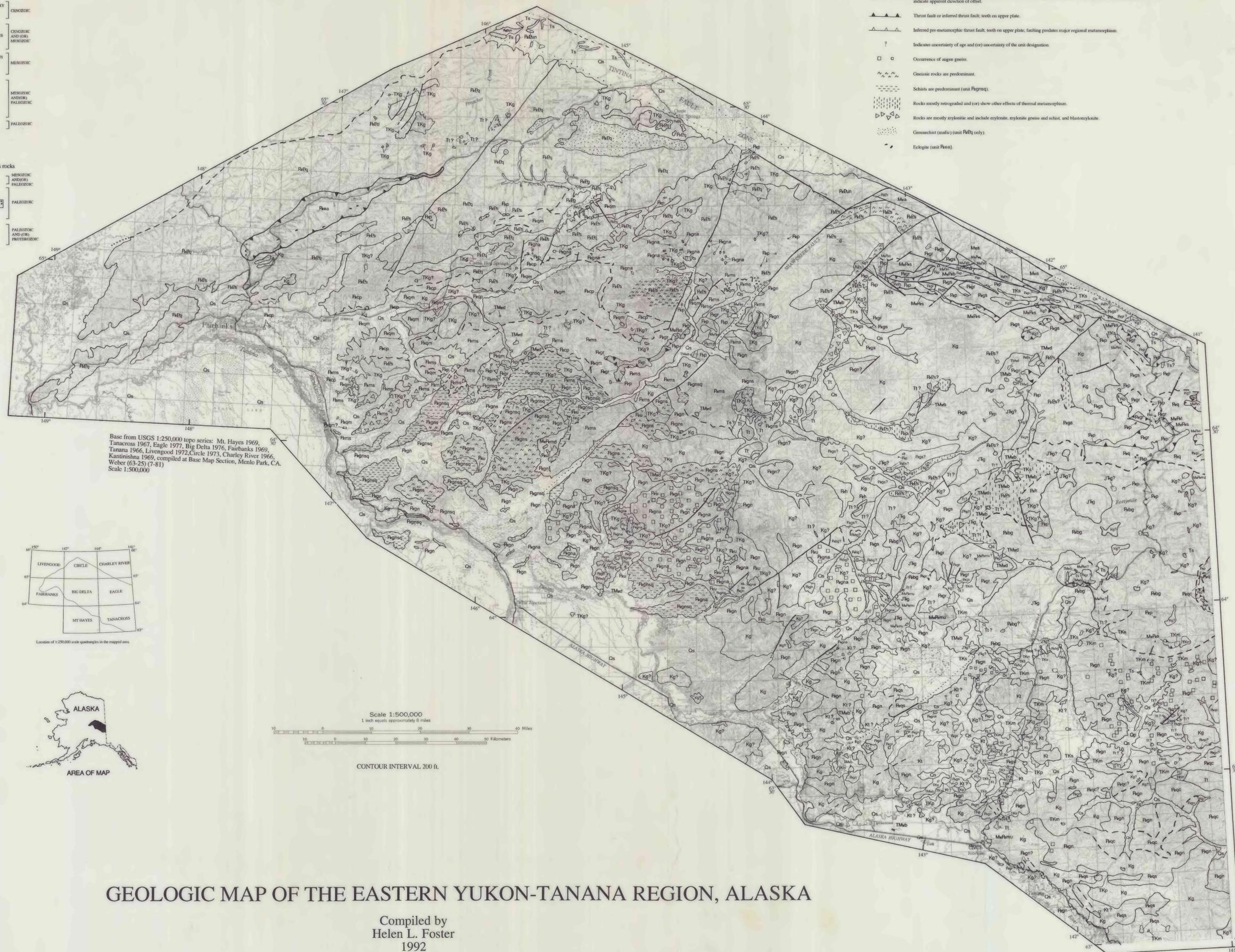
CORRELATION OF MAP UNITS

Sedimentary rocks		Unconsolidated deposits		Igneous rocks	
Ts	TERTIARY	Qa	Holocene and Pleistocene	Op	Oligocene and Pliocene
TKs	TERTIARY AND/OR CRETACEOUS	TKg	Quaternary	Ti	Tertiary
Ma	MESOZOIC	TKp	Quaternary	TKm	Tertiary and/or Cretaceous
MaPa	MESOZOIC AND/OR PALEOZOIC	TKd	Quaternary	TKc	Tertiary and/or Cretaceous
MaPr	MESOZOIC AND/OR PROTEROZOIC	Kg	Quaternary	Ki	Cretaceous
				Jlg	Jurassic and/or Triassic
				MaPm	Mesozoic and/or Paleozoic
				MaPr	Mesozoic and/or Paleozoic
				Pa	Paleozoic

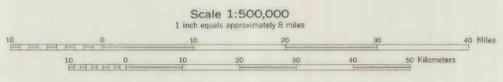
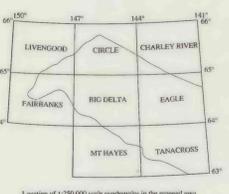
Thermally metamorphosed rocks		Greenschist-facies rocks		Amphibolite-facies rocks	
Pb	Paleozoic	Ppcc	Paleozoic	MaPm	Mesozoic and/or Paleozoic
		Ppms	Paleozoic	Ppau	Paleozoic
		Ppgr	Paleozoic	Ppau	Paleozoic
		Ppqt	Paleozoic	Ppau	Paleozoic
		Ppqt	Paleozoic	Ppau	Paleozoic
		Ppqt	Paleozoic	Ppau	Paleozoic

EXPLANATION

- Contact. Includes contacts that are well located, approximately located, inferred, and gradational.
- Fault. Dashed where existence or kind of fault uncertain or where approximately located; dotted beneath covering deposits; arrows indicate apparent direction of offset.
- Thrust fault or inferred thrust fault; teeth on upper plate.
- Inferred pre-metamorphic thrust fault; teeth on upper plate; faulting predates major regional metamorphism.
- Indicates uncertainty of age and (or) uncertainty of the unit designation.
- Occurrence of augen gneiss.
- Gneissic rocks are predominant.
- Schists are predominant (unit PaPns).
- Rocks mostly retrograded and (or) show other effects of thermal metamorphism.
- Rocks are mostly mylonitic and include mylonite, mylonite gneiss and schist, and blastomylonite.
- Greenschist (mafic) (unit PaEty).
- Ecklogite (unit PaEa).



Base from USGS 1:250,000 topo series: Mt. Hayes 1969, Tananarivik 1967, Eagle 1977, Big Delta 1976, Fairbanks 1969, Kantishna 1969, Livengood 1972, Circle 1973, Charley River 1966, Weber (63-25) (7-81). Scale 1:500,000.



CONTOUR INTERVAL 200 FT.

GEOLOGIC MAP OF THE EASTERN YUKON-TANANA REGION, ALASKA

Compiled by
Helen L. Foster
1992

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.