



1. Near the northern Kaluich pluton and the northwestern Shishakhshinovik pluton, with zinc, molybdenum, silver, beryllium, and tin.
2. In the eastern schist belt, with zinc, copper, silver, nickel, cobalt, lanthanum, and yttrium.
3. Near black phyllites of map units Db and Pzbs, with zinc, molybdenum, silver, barium, vanadium, and other elements.
4. Near limestone of unit Pzm at Breach Creek (informal name), with zinc.

1. Near the Kaluich and Shishakshinovik plutons.
2. In the eastern schist belt.
3. Near black phyllites of map units Db and Pzb5. The main concentration of these anomalies is in the headwaters of the Kogoluktuk River, near the eastern boundary of the quadrangle. Zinc and other metals, including lead, are commonly enriched in organic-rich marine shales relative to other sedimentary rocks (Tourtelot, 1970), so many zinc anomalies associated with the black phyllites may represent higher than normal background values in large volumes of rock, rather than concentrated mineral occurrences.
4. Near limestone of unit Pzm at Breach Creek.

Tourtelot, Elizabeth B., 1970, Selected annotated bibliography of minor-element content of marine black shales and related sedimentary rocks, 1930-65: U. S. Geological Survey Bulletin 1293, 118 pages.

		SURFICIAL DEPOSITS				
		[Qu]	QUATERNARY			
SEDIMENTARY AND METASEDIMENTARY ROCKS		METASEDIMENTARY ROCKS OF UNCERTAIN AGE		IGNEOUS AND META-IGNEOUS ROCKS		
[Kq]	CRETACEOUS			[Kgr]	CRETACEOUS	
[Kc]						
Unconformity						
[M]	MISSISSIPPIAN	[Mzppw]	MESOZOIC OR PALEOZOIC	[Ju]	JURASSIC	
Unconformity				[mi]	MESOZOIC AND (OR) PALEOZOIC	
[De]	DEVONIAN	[Prq]	PALEOZOIC	[fe]		
[Db]	DEVONIAN AND OLDER	[Psb]				
[Pzm]		[Pru]				
		[uqm]	PALEOZOIC AND OLDER (?)	[Pzi]		

DESCRIPTION OF MAP UNITS

Qu	UNCONSOLIDATED QUARTZ (GRAVEL) (QUANTUM?)
	SEDIMENTARY AND METASEDIMENTARY ROCKS
Kq	QUARTZ CONGLOMERATE, SANDSTONE, AND MUDSTONE (CRETACEOUS)
Kc	(IGNEOUS PEBBLE-COBBLE CONGLOMERATE) (CRETACEOUS)
M	LIMBING GROUP AND UPPER PART OF ENDOGOTT GROUP (MISSISSIPPIAN)—INCLUDES KAYAK SHALE AND REKORTIK CONGLOMERATE
Dk	LOWER PART OF ENDOGOTT GROUP (DEVONIAN)—MAINLY SLATE AND SANDSTONE
Db	DARK CALCAREOUS SCHIST, LIMESTONE, AND SILICEOUS PHYLLITE (DEVONIAN)
Pzm	LIMESTONE AND MARBLE (DEVONIAN AND OLDER)
	METASEDIMENTARY ROCKS OF UNCERTAIN AGE
MaPz	PHYLLITE AND MAFIC VOLCANIC WACKE (MESOZOIC OR PALEOZOIC)
Pqco	CHLORITIC QUARTZITE AND SCHIST (PALEOZOIC)—LOCALLY INCLUDES FELDSPATHIC ORTHOQUARTZ
Pzhs	PHYLLITE AND SCHIST (PALEOZOIC)
Pzu	UNDIFFERENTIATED METAMORPHIC ROCKS (PALEOZOIC)—INCLUDES MARBLE, QUARTZITE, CALC-SCHIST, AND LESSER QUARTZ-MICA SCHIST
Wm	GRAY PHYLLITE AND QUARTZ-MICA SCHIST (PALEOZOIC AND OLDER??)
	IGNEOUS AND META-IGNEOUS ROCKS
Kgr	META-GRANITIC PLUTONIC ROCKS (CRETACEOUS)
Ju	ULTRAMAFIC ROCKS AND SERPENTINITE (JURASSIC)
mi	BASALT, DIABASE, AND GNEISSSTONE (MESOZOIC AND/OR PALEOZOIC)
fs	FELSIC SCHIST (MESOZOIC AND/OR PALEOZOIC) MAY BE, IN PART, VOLCANIC
Pzi	INTERMEDIATE META-IGNEOUS ROCKS (MESOZOIC AND/OR PALEOZOIC) MAY BE PLUTONIC AND (OR) VOLCANIC

LITHOLOGIC CONTACT: dashed where uncertain

HIGH ANGLE FAULT, dashed where uncertain, dotted where concealed

4. 4. 4. TURKISH FAULT: dotted where consolidated

Generalized geologic map compiled by

C. F. MAYFIELD

