Crystal Data: Tetragonal. *Point Group*: $\bar{4}$ 2*m*. As platy crystals to 1 mm, flattened on {001} and exhibiting {001}, {101}, and {112}, with {101} and {112} often striated.

Physical Properties: *Cleavage*: Perfect on {001}. *Fracture*: Splintery. *Tenacity*: Brittle. *Hardness* = 5.5 D(meas.) = n.d. D(calc.) = 3.644

Optical Properties: Transparent. *Color*: Colorless, light blue to medium greenish blue. *Streak*: White. *Luster*: Vitreous. *Pleochroism*: None. *Optical Class*: Uniaxial (–). ω = 1.623(1) ε = 1.619(1)

Cell Data: *Space Group*: $I\bar{4}$ 2*m*. a = 10.9515(5) c = 10.3038(7) Z = 4

X-ray Powder Pattern: Gun claim, near the Itsi Range, Yukon Territory, Canada. 3.746 (100), 2.899 (96), 2.145 (69), 3.446 (60), 3.100 (51), 2.279 (44), 1.7584 (43)

Chemistry:

	(1)	(2)
Na_2O	0.06	
BaO	46.35	45.59
CaO	7.35	8.34
FeO	0.15	
Al_2O_3	0.17	
TiO_2	0.06	
SiO_2	34.91	35.73
B_2O_3	[10.41]	10.35
Total	99.46	100.00

(1) Gun claim, Yukon Territory, Canada; average of 3 electron microprobe analyses, presence of B was confirmed by EMPA, B_2O_3 calculated from crystal structure refinement; corresponding to $Ba_{2.06}(Ca_{0.89}Al_{0.02}Na_{0.01}Fe_{0.01}Ti_{0.01})_{\Sigma=0.94}(Si_{3.96}B_{2.04})_{\Sigma=6.00}O_{14}$. (2) $Ba_2Ca(BSi_2O_7)_2$.

Occurrence: In low-temperature, late-stage hydrothermal veins cutting a contact-metamorphic, Ba-rich skarn deposit adjacent to quartz monzonite.

Association: Cerchiaraite-(Fe), diopside, pyrite, quartz, sphalerite, witherite.

Distribution: From the Gun claim, 4 km SE of Wilson Lake, south of the Itsi Range, Yukon Territory, Canada.

Name: For the *Itsi* Mountain Range, which gets its name from the language of the Kaska, a First Nations people of the area ("itsi" means "wind").

Type Material: Natural History Museum of Los Angeles County, Los Angeles, California, USA. (#64072).

References: (1) Kampf, A.R., R.C. Peterson, and B.R. Joy (2014) Itsiite, $Ba_2Ca(BSi_2O_7)_2$, a new mineral species from Yukon, Canada: description and crystal structure. Can. Mineral., 52(3), 401-407. (2) (2015) Amer. Mineral., 100, 1326-1327 (abs. ref. 1).