Crystal Data: Monoclinic. *Point Group*: 2/m. As flattened prisms, elongated along [010], to 0.2 mm, and exhibiting {001}, {101}, and {110}. *Twinning*: Ubiquitous, typically as X-shape twins on (223) or sixlings.

Physical Properties: *Cleavage*: Fair, two directions \parallel [010]. *Fracture*: Irregular to splintery. *Tenacity*: Brittle. Hardness = ~ 2 D(meas.) = n.d. D(calc.) = 6.154 Soluble in dilute HCl.

Optical Properties: Translucent. *Color*: Yellow. *Streak*: Pale yellow. *Luster*: Adamantine. *Optical Class*: n.d. n(calc.) = 2.127 *Orientation*: Y = b.

Cell Data: *Space Group*: $P2_1/m$. a = 7.7719(10) b = 5.9060(7) c = 8.7929(12) $\beta = 111.604(8)^{\circ}$ Z = 2

X-ray Powder Pattern: Silver Coin mine, Valmy, Humboldt County, Nevada, USA. 2.947 (100), 3.245 (84), 2.743 (49), 4.794 (46), 2.288 (30), 1.7204 (28), 1.8532 (27)

Chemistry:	(1)	(2)	(3)
PbO	56.47	63.69	64.03
CaO	0.06	0.07	
CuO	0.98	1.11	
Fe_2O_3	6.77	7.63	11.45
Al_2O_3	1.45	1.63	
V_2O_5	11.22	12.65	
As_2O_5	2.74	3.09	
P_2O_5	7.65	8.63	10.18
H_2O	[1.33]	1.50	1.29
Total	88.67	100.00	100.00

(1) Silver Coin mine, Valmy, Humboldt County, Nevada, USA; average of 4 electron microprobe analyses, H_2O from structure analysis, low total attributed to inadequate polish; corresponding to $(Pb_{1.99}Ca_{0.01})_{\Sigma=2.00}(Fe_{0.66}Al_{0.22}Cu_{0.10})_{\Sigma=0.98}(V_{0.97}P_{0.85}As_{0.19})_{\Sigma=2.01}O_{7.84}(OH)_{1.16}$. (2) Normalized recalculation of analysis #1. (3) $Pb_2Fe^{3+}(PO_4)(VO_4)(OH)$.

Mineral Group: Brackebuschite supergroup.

Occurrence: A low-temperature, secondary mineral in the oxidized portion of a quartz vein containing argentiferous galena, sphalerite and pyrite, and cutting phosphatic argillite.

Association: Plumbogummite, mottramite, Br-rich chlorargyrite, barite, quartz.

Distribution: From the 'phosphate stope', Silver Coin mine, Valmy, Iron Point district, Humboldt County, Nevada, USA.

Name: Signifies the Fe³⁺ analog of *bushmakinite*.

Type Material: Natural History Museum of Los Angeles County, Los Angeles, California, USA (65412).

References: (1) Kampf, A.R., P.M. Adams, B.P. Nash, and J. Marty (2015) Ferribushmakinite, Pb₂Fe³⁺(PO₄)(VO₄)(OH), the Fe³⁺ analog of bushmakinite from the Silver Coin mine, Valmy, Nevada. Mineral. Mag., 79(3), 661-669. (2) (2016) Amer. Mineral., 101, 1492 (abs. ref. 1).