\odot 2001-2005 Mineral Data Publishing, version 1

Crystal Data: Monoclinic. Point Group: 2/m. As finely granular efflorescences.

Physical Properties: Hardness = ~ 3 D(meas.) = 2.33 D(calc.) = 2.36 Soluble in H₂O; dehydrates in air.

Optical Properties: Semitransparent. *Color:* Bright pink; light pink in transmitted light. *Streak:* White. *Luster:* Vitreous.

 $\label{eq:optical Class: Biaxial (-). } \alpha = 1.528 \quad \beta = {\rm n.d.} \quad \gamma = 1.536 \quad 2 {\rm V(meas.)} = {\rm n.d.}$

Cell Data: Space Group: $P2_1/n$. a = 5.94 b = 13.56 c = 7.90 $\beta = 90^{\circ}31'$ Z = 4

X-ray Powder Pattern: Magnet Cove mine, Canada. 4.46 (10), 5.44 (9), 3.95 (8), 2.95 (7), 3.39 (6), 3.22 (5), 6.78 (4)

Chemistry: (1) Magnet Cove mine, Canada; partial X-ray spectrographic analysis corresponds to $(Co_{0.50}Mn_{0.25}Ni_{0.22}Cu_{0.01}Fe_{0.01}Zn_{0.01})_{\Sigma=1.00}SO_4 \cdot 4H_2O.$

Mineral Group: Rozenite group.

Occurrence: As efflorescences with sulfides (probably cobaltian and nickelian pyrite) on siderite–barite matrix from a hydrothermal Pb–Zn–Cu orebody associated with a large barite deposit.

Association: Moorhouseite, siderite, barite.

Distribution: From the Magnet Cove barite mine, four km southwest of Walton, Nova Scotia, Canada.

Name: Honors Albert Peter Low (1861–1942), Canadian geologist, former Director of the Geological Survey of Canada.

Type Material: National School of Mines, Paris, France; Canadian Geological Survey, Ottawa, Canada, 12145.

References: (1) Jambor, J.L. and R.W. Boyle (1965) Moorhouseite and aplowite, new cobalt minerals from Walton, Nova Scotia. Can. Mineral., 8, 166–171. (2) (1965) Amer. Mineral., 50, 809 (abs. ref. 1).