descriptions and stratigraphic correlations were maintained from adjacent mapping in Orange County (Bradley et al., 2016). The nomenclature of the 2018 from the Siler City, Coleridge and Bear Creek geologic maps, respectively, were used for conformity with on strike units in neighboring quadrangles. Unit metavolcanic and metavolcaniclastic units have been tentatively separated into upper and lower portions of the Hyco Formation; geochronologic data in the map units of metavolcanic and metavolcaniclastic rocks include various lithologies that when grouped together are interpreted to indicate general environments. Prospect and the W.H. Purvis Prospect (Carpenter, 1976). Both prospects consist of one pit each, opened in iron stained quartz in association with felsic to tight folds that are locally overturned.

This apparent range from gentle to tight folds is not well understood and may indicate: 1) normal disharmonic folding due to competency original layering of Hyco and Aaron Formation lithologies are observed ranging from shallowly to steeply dipping and are interpreted to be a result of open to tight folds. Contact with unit Za designated at first occurrence of sandstones with angular clasts or primary volcanic rocks.

Bowman, 2010; Bradley and Miller, 2011) metamorphosed layered volcaniclastic rocks and plutonic rocks. Available age dates (Wortman et al., 2000; Bradley 2096A. 1:1,500,000-scale.


Isotopic characterization of the Farrington pluton: constraining the Virgilina orogeny, in Bradley, P.J., and Clark, T.W., editors, The Geology of the Chapel in inferred contact

This regional extent of the ca. 600 Ma Virgilina deformation: implications of stratigraphic correlation in the Carolina terrane, Geological Society of America Bulletin, 48