

Wallrocks of the Hodges Complex and Tyler Lake Granite, West Torrington, CT

Geological Society of Connecticut Lecture - 13 November 2015

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The lecture will cover the bedrock stratigraphy and structure of the wallrocks and contact relationships of the mid-Ordovician Hodges and Tyler Lake intrusives in West Torrington, CT. The lecture will include the history of prospect mining, mineralogy, and research on the Hodges Nickel prospect. The related Spring 2016 field trip will include many stops to best illustrate the stratigraphy and structure of the region, as mapped by the author in 1973-77 (Merguerian, 1977). A link to this publication and included detailed geological maps (Plates 1 and 2 [large files!]) can be found below. Merguerian's other CT publications can be downloaded from:

<http://www.dukelabs.com/Publications/PubsPdf/DLPubs.html>

Ample time will be spent examining and discussing separation of the subunits of the Hartland and Waramaug formations on either side of Cameron's Line, a folded Taconian plate boundary suture zone. Ductile structures and lithologies associated with Cameron's Line and contact relationships with crosscutting plutons will be examined. The trip will be an amalgam of stops from a previous NEIGC trip conducted three decades ago (Merguerian 1985) and will include additional stops based on more recent investigations. A guidebook will be provided.

Links for Downloads

Merguerian 1977:

http://www.dukelabs.com/Publications/PubsPdf/CM1977ms_HodgesComplex.pdf

http://www.dukelabs.com/Publications/PubsPdf/CM1977ms_HodgesComplex_Plate1.pdf

http://www.dukelabs.com/Publications/PubsPdf/CM1977ms_HodgesComplex_Plate2.pdf

Merguerian 1985:

http://www.dukelabs.com/Publications/PubsPdf/CM1985d_NEIGC_HodgesComplex.pdf