

Spot Pond Granodiorite – coarse granodiorite to granite with abundant Zvwq xenoliths and alkali granite zones/xenoliths (Zsgk). Ages (Ma): Red Cross Path - 609.46 ± 0.18 (U-Pb CA-TIMS), South of Spot Pond - 609.11 + 0.22 (U-Pb CA-TIMS), Doleful Pond - 609.08 + 0.24 (U-Pb CA-TIMS)



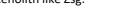
Lynn Volcanic Complex

Dedham Complex

Ma)

Winchester Granite – equigranular medium granite with relatively high mafic content. Plagioclase subordinate or equal to alkali feldspar. Has Zsgk xenolith like Zsg.

Age (Ma): 609.72 + 0.24 (U-Pb CA-TIMS)



Quartz Diorite Xenoliths in Winchester Granite - medium-grained quartz diorite xenoliths (uncertain age).

Zfi - felsite xenoliths in Zsg , unknown source and age

--- Units below intruded by Zsg, Zwg, and Zst ---



Zsg

Nanepashemet Formation – hydrothermally altered and baked basalt and basalt breccia. Basal red conglomerate and sandstone and dark argillite with Westboro Fm. clasts.

------ Angular Unconformity (overlain by basal breccia/conglomerate in Nanepashemet Formation along Molly's Spring Rd.) ------

----- period of light-grade regional metamorphism -----



Westboro Formation in Whip Hill area - laminated mudstone, fine sandstone, and mass flow units with quartz sandstone olistoliths. Not regionally metamorphosed. Intruded by ap and fq dikes. Neoproterozoic. (LA-ICPMS, detrital zircon, quartz sandstone olistolith, <~910 Ma)



Westboro Formation in Virginia Wood and west of Spot Pond – metamorphosed and sheared, quartzite and argillite with calcium/magnesium silicate intervals. (LA-ICPMS detrital zircon: < 912 + 0.6 Ma)