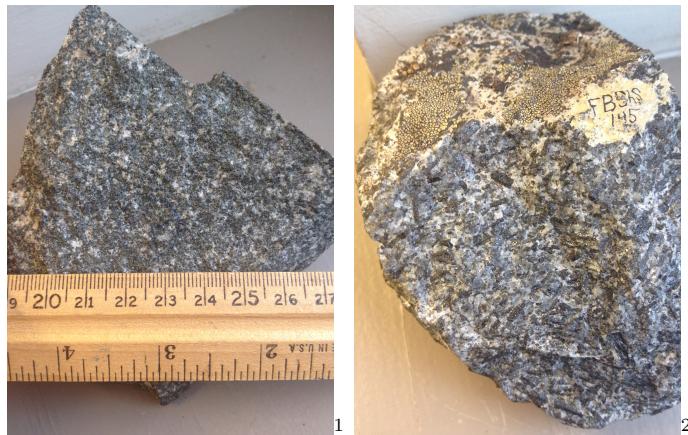


Diopside and Augite

Benjamin Bass

2 March 2016



General Mineral Formula: $\text{CaMgSi}_2\text{O}_6$

Mineral Chemical Class: Inosilicates : clinopyroxene

Specific Gravity: 3.3-3.6

Hardness: 5-6

Cleavage: 1,2 - prismatic at 87 and 93. Can show parting.

Luster: Vitreous, dull

Streak: white to light green

Characteristic Color(s): light to dark green, grey, yellow, purple

Crystal System: Monoclinic

Crystal Class:

Crystal Description (common forms, habit, etc.): Typically a single, short, prismatic crystal. Somewhat elongated with good terminations. May have v-shaped penetration twins

¹footnote number one

²footnote number two

Environment (where you find the material): Contact and regional metamorphic rock in hornfels and in skarn deposits of hypothermal metamorphic rock.

Common Mineral Associations (in samples, also consult text, notes): Grossular, vesuvianite, calicte

Scientific Usage/Significance:

Industrial or Social Use/Significance: Faceted as a minor gemstone.

Environmental Significance: