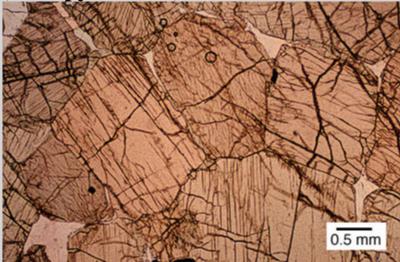


Bronzitite (orthopyroxenite)



A bronzitite is an orthopyroxenite dominated by the mineral hypersthene. Almost all of the grains in this photomicrograph are hypersthene. This rock also contains some interstitial plagioclase.

Bronzitite (orthopyroxenite)



A bronzitite is an orthopyroxenite dominated by the mineral hyperstheme. Almost all of the grains in this photomicrograph are hypersthene. This rock also contains some interstitial plagioclase better seen in plane light.

UNC sample
PP-12
Rock type
bronzitite (orthopyroxenite)
Locality
Stillwater complex, MT



UNC sample

PP-12

Rock type

bronzitite (orthopyroxenite

Locality

Stillwater complex, MT

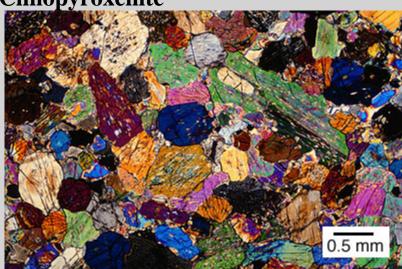


Clinopyroxenite

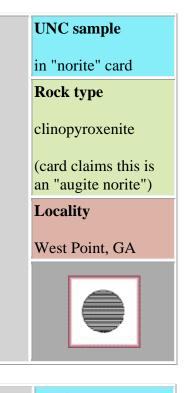


This rock is dominated by the clinopyroxene <u>augite</u>.





This rock is dominated by the clinopyroxene <u>augite</u>.



UNC sample

in "norite" card

Rock type

clinopyroxenite

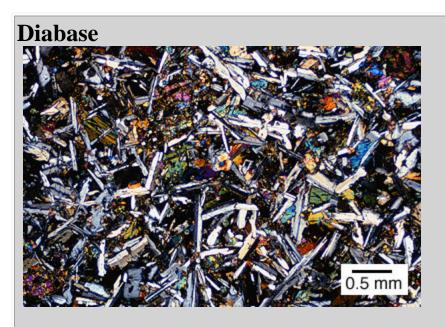
(card claims this is an "augite norite")

Locality

West Point, GA







A diabase is a basaltic rock with grain size more or less transitional between gabbro (coarse) and basalt (fine). Notice the elongate lath-shaped <u>plagioclase</u> and the colorful <u>clinopyroxene</u> and possible <u>olivine</u> in this rock.

UNC sample

SC-?

Rock type

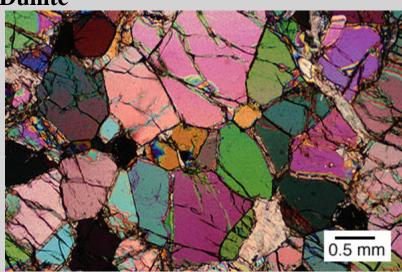
diabase dike

Locality

South Carolina

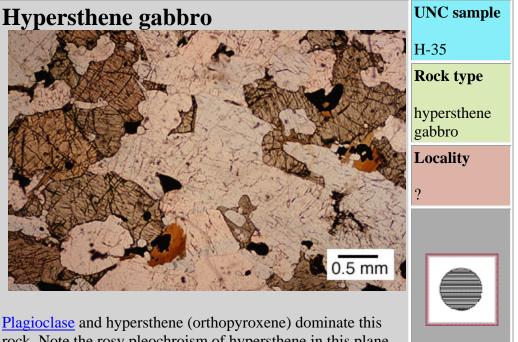


Dunite

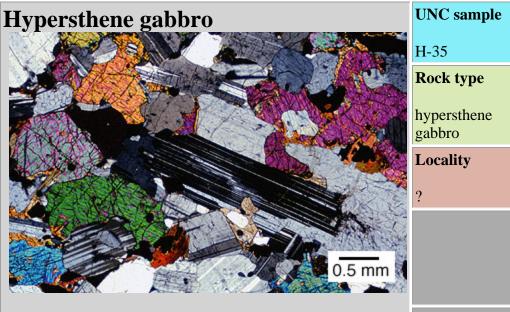


UNC sampleW-44Rock typeduniteLocalityunknown

Almost all of the grains in this rock are olivine. Note the high order interference colors of olivine and the minor secondary calcite which occurs as veinlets through the sample.

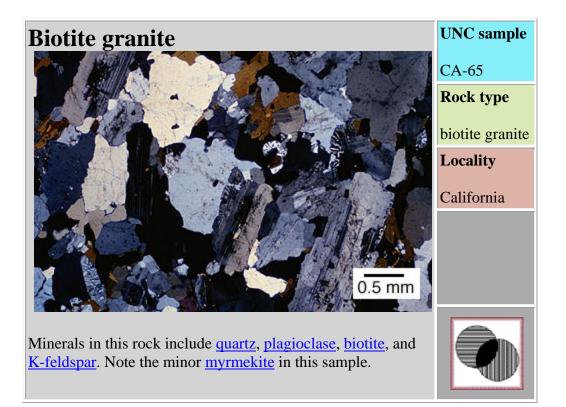


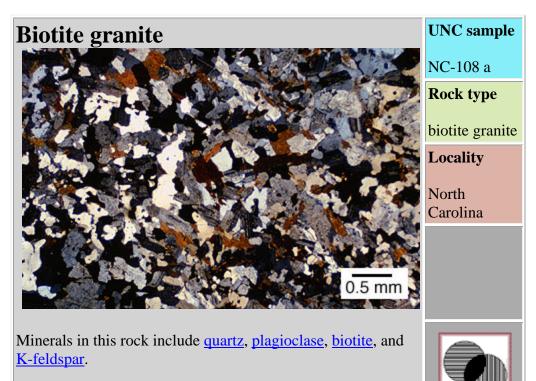
<u>Plagioclase</u> and hypersthene (orthopyroxene) dominate this rock. Note the rosy pleochroism of hypersthene in this plane light view.

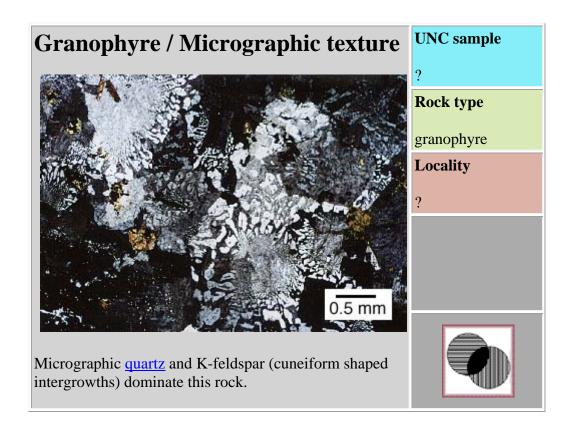


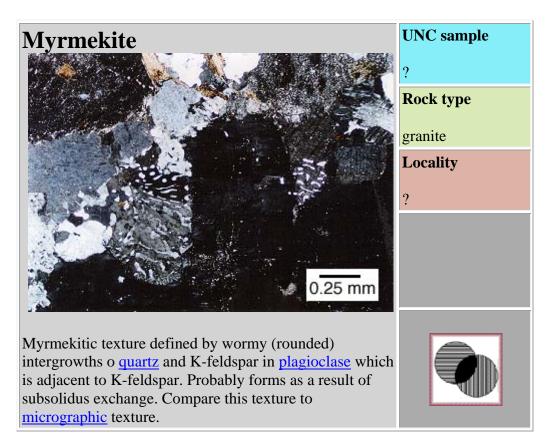
<u>Plagioclase</u> and hypersthene (orthopyroxene) dominate this rock. This slide may have been cut a little too thick, accounting for the higher-than-expected interference colors of the hypersthene.

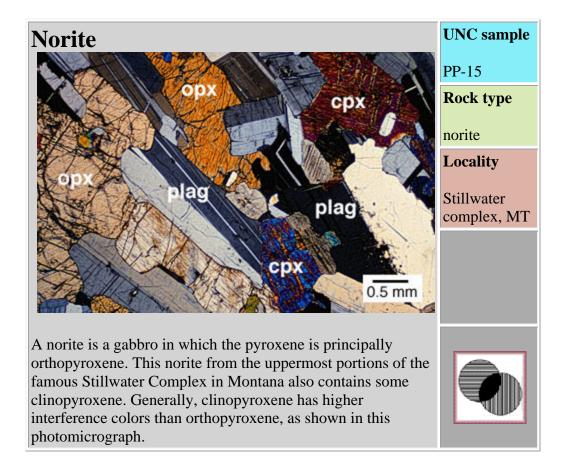


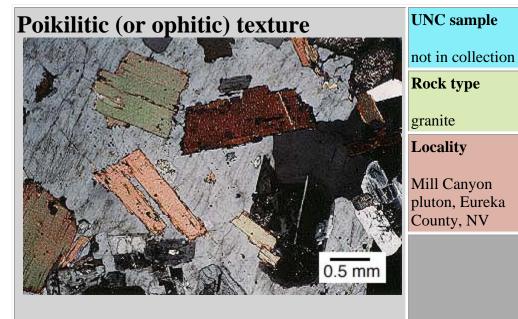












In this photomicrograph, euhedral to subhedral <u>biotite</u> and <u>plagioclase</u> crystals are surrounded by optically-continuous, gray-colored K-feldspar.



