

Figure 5.17. Brush Creek Shale (Sample BCS3-PA). Photomicrographs of rock fragment B showing details of elongated, dark brown to black clots. Reflected light (RL) microscopy shows that pyrite (bright white) is present as tiny disseminated grains in the shale matrix and as framboid fillings and cores within the black clots. Comparison of area B-3 at the same magnification in plane and reflected light shows the variation in clot composition from pyrite-free (a), to pyrite-cored (b), to pyrite-filled (c).

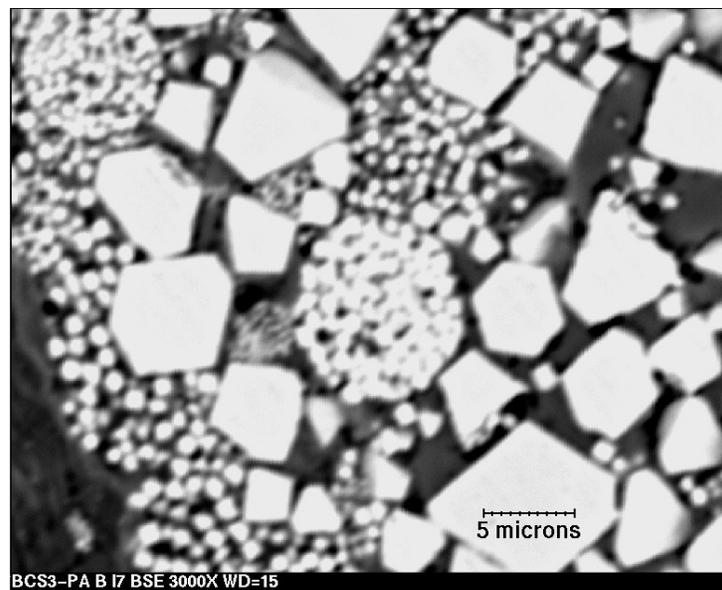


Figure 5.18. Brush Creek Shale (Sample BCS3-PA). SEM image (3,000X) of a pyrite framboid.