

Figure 5.15. Brush Creek Shale (Sample BCS3-PA). Scanned image of polished thin section. Note calcite along the edge of chip E; fossil in chip C.

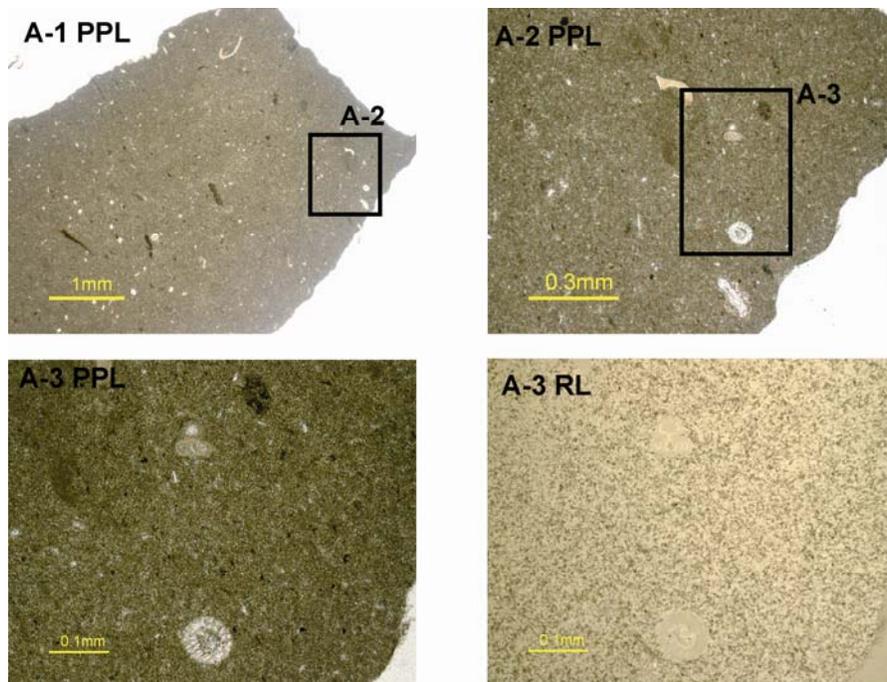


Figure 5.16. Brush Creek Shale (Sample BCS3-PA). Photomicrographs of rock fragment A showing shale textures at successively higher magnification. The shale consists of 0.5 millimeters calcite fossil fragments and elongated dark-colored clots of organic material, pyrite, and clay set in a fine-grained groundmass mainly composed of quartz, chlorite, calcite, siderite, and clay. The groundmass grain size is less than 20 micrometers. PPL, plane-polarized light. RL, reflected light.