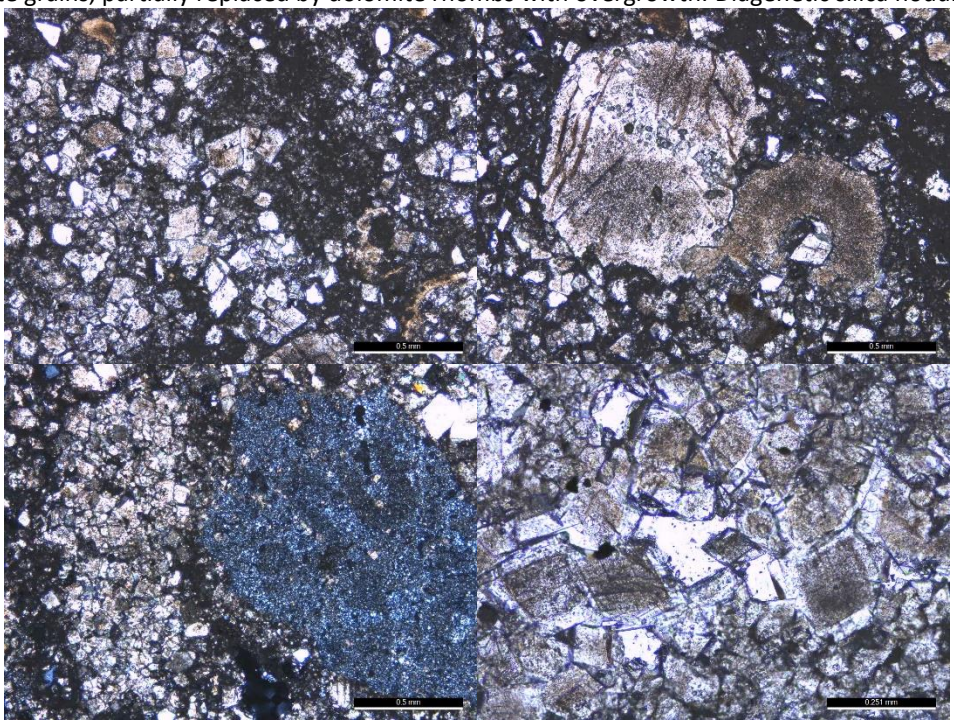
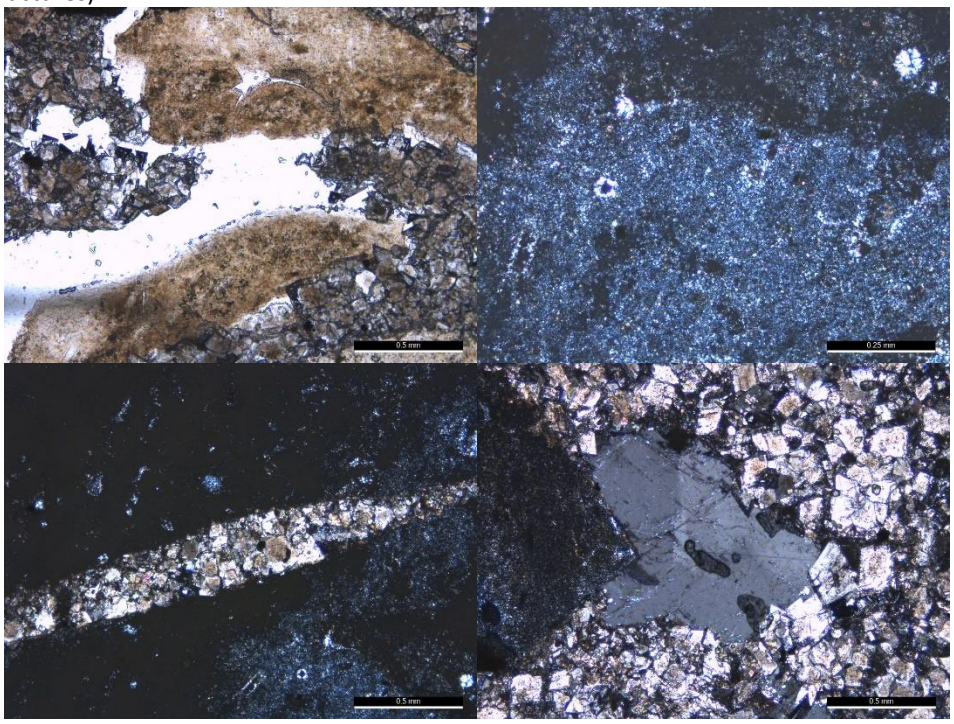
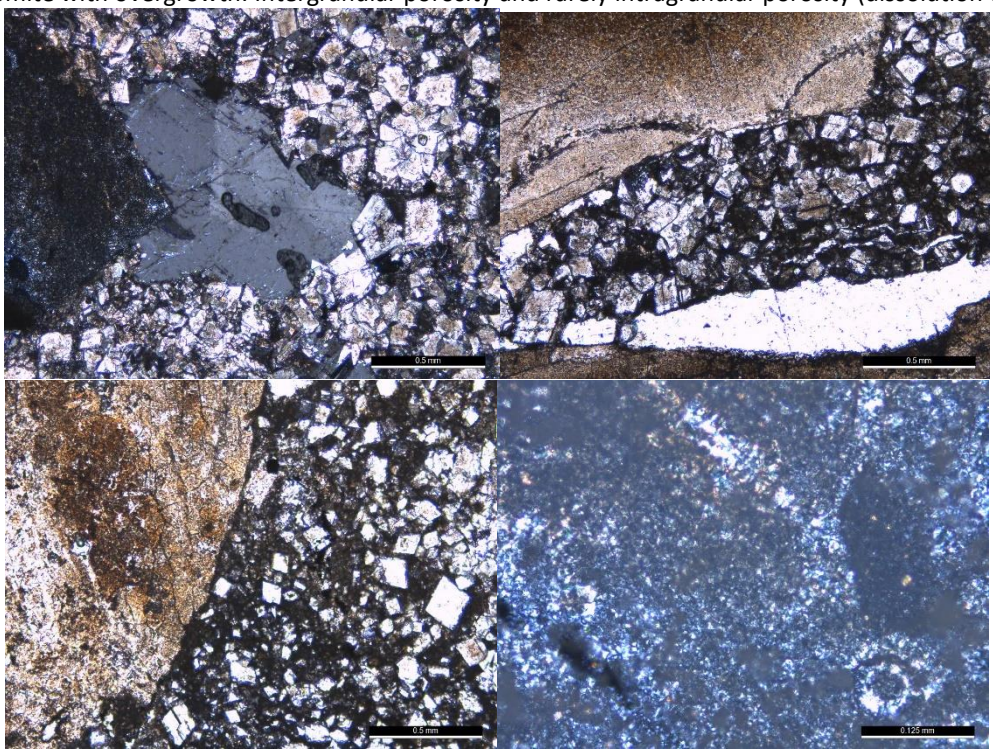
Rich C#7 5808: Intraclastic rudstone with dolomitic, siliceous and mud intraclasts, detrital quartz grains, sparse echinoderms and rare phosphate grains, partially replaced by dolomite rhombs with overgrowth. Diagenetic silica nodules and vug pores.



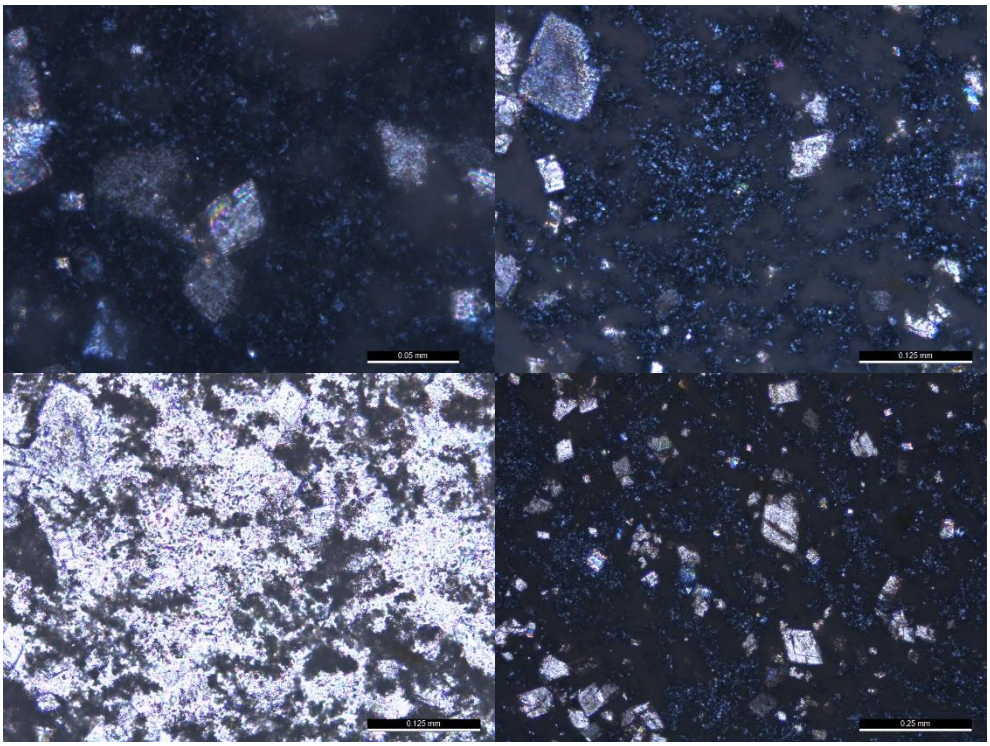
Rich C#7 5811.66: Intraclastic breccia with very angular siliceous intraclasts (radiolarite fragments), cemented by dolomite (especially along fractures).



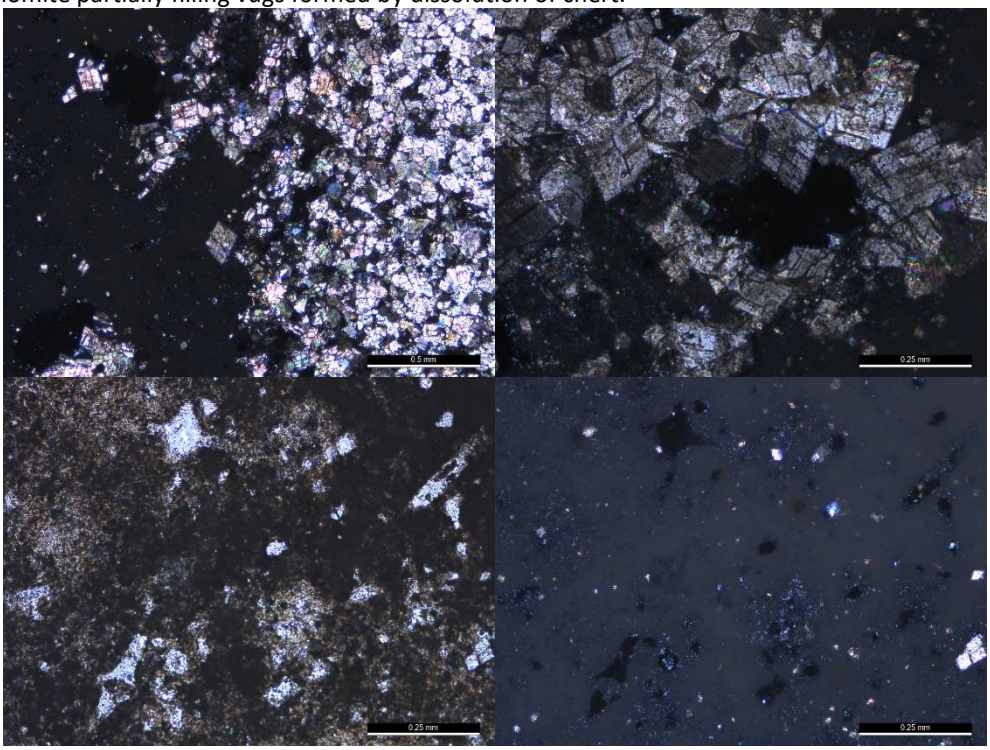
Rich C#7 5812: Intraclastic rudstone with siliceous, dolomitic and mud intraclasts, cemented by coarse saddle dolomite and replaced by dolomite with overgrowth. Intergranular porosity and rarely intragranular porosity (dissolution of intraclasts).



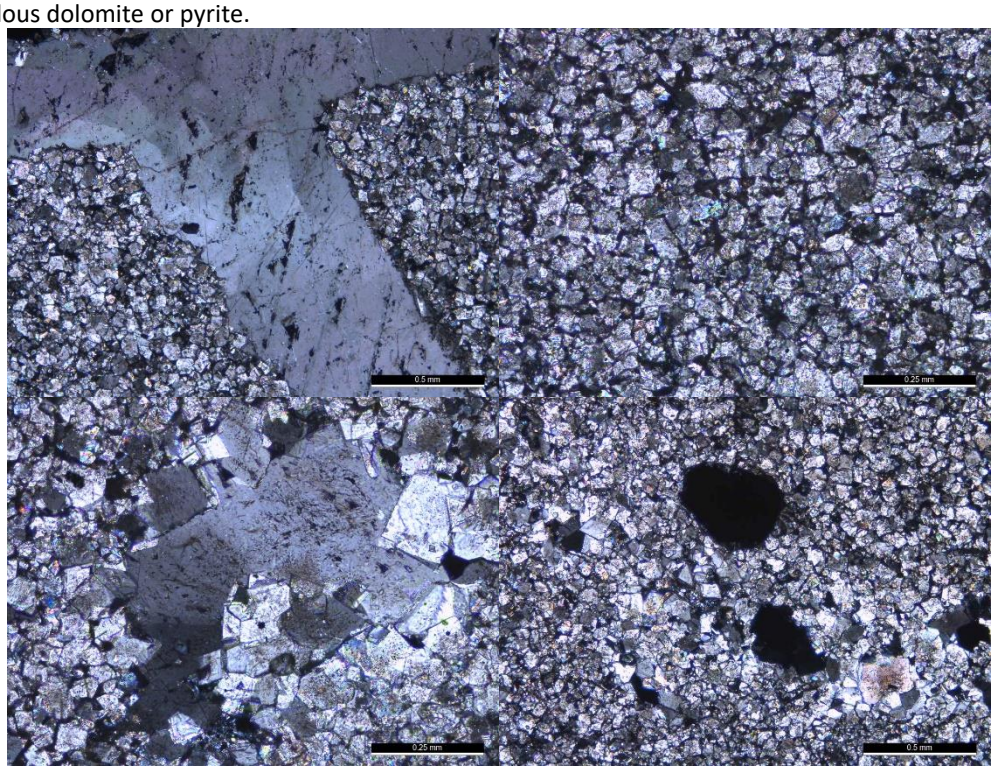
Rich C#7 5815: Chert, with some “ghosts” of radiolarians, extensively replaced by Fe oxide. Dolomite rhombs locally replacing Fe oxide.



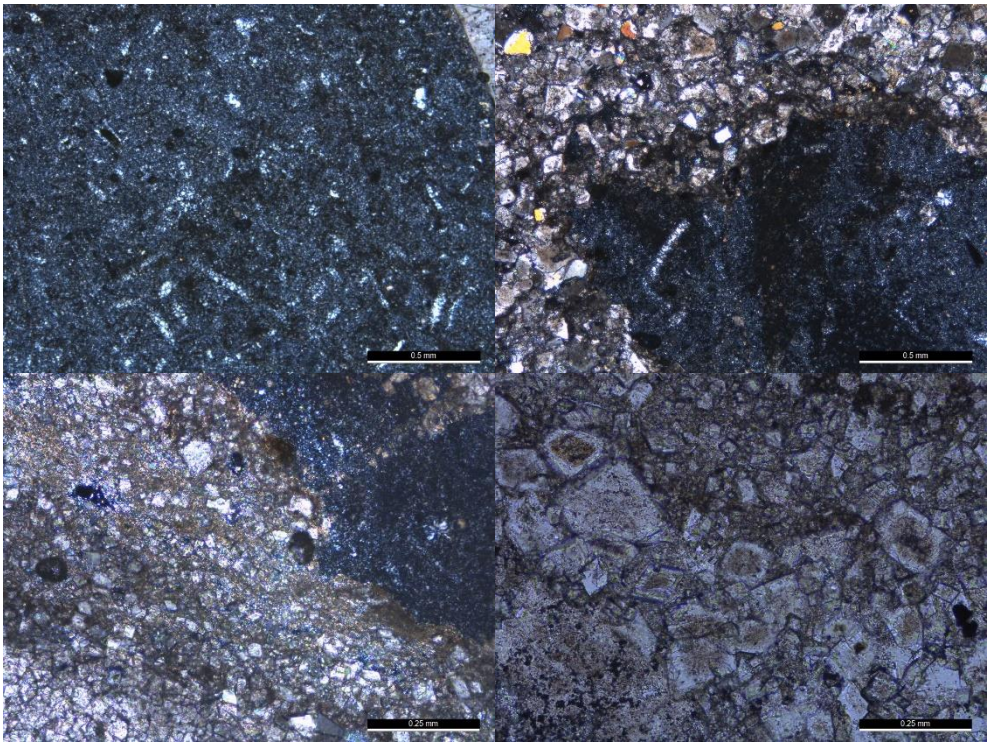
Rich C#7 5822: Chert composed of radiolarians and sponge spicules with vuggy porosity, replaced by saddle dolomite and Fe oxide. Saddle dolomite partially filling vugs formed by dissolution of chert.



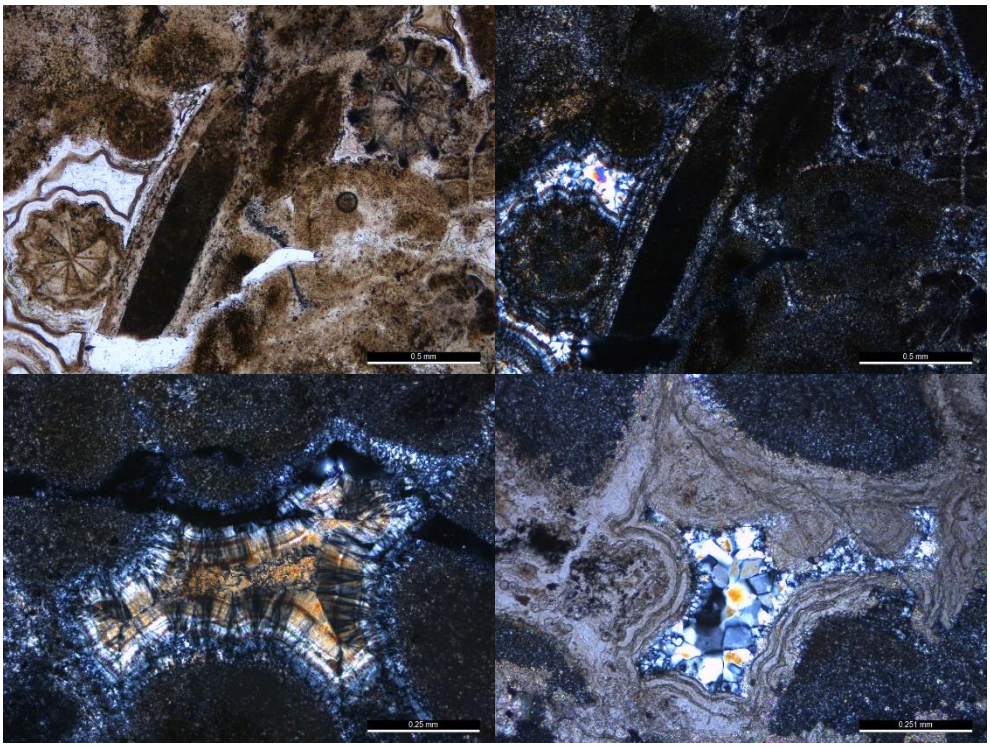
Rich C#7 5822.5: Muddy dolostone. Vugs partially or totally filled by saddle dolomite. Fractures filled by coarsely-crystalline prismatic, undulous dolomite or pyrite.



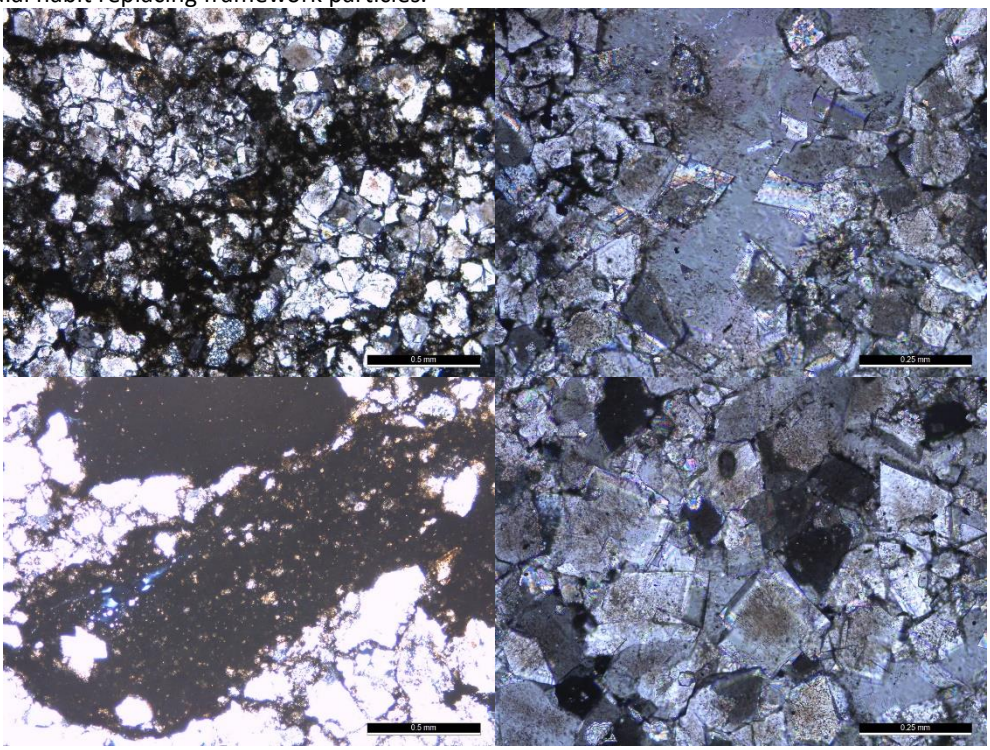
Rich C#7 5824.66: Intraclastic breccia with angular siliceous and dolomitic intraclasts and a large fragment of the silicified bioclastic grainstone (with bryozoans, bivalves, ooids, cemented by chalcedony and quartz). Replaced by zoned dolomite rhombs.



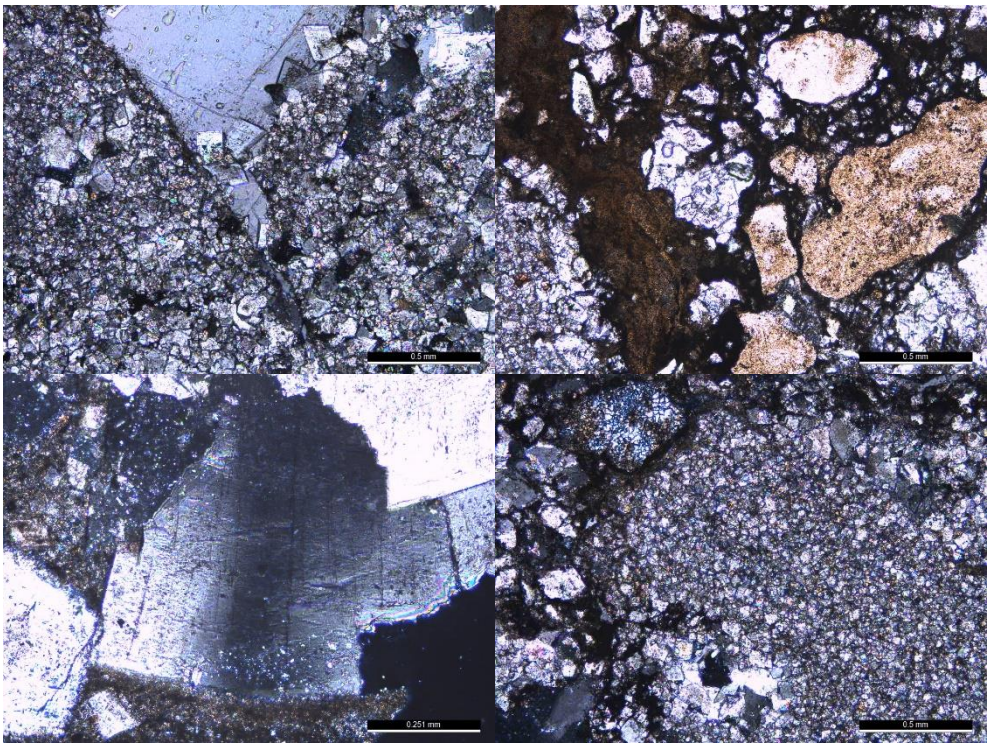
Rich C#7 5828.5: Bioclastic-intraclastic grainstone/rudstone with bryozoans, echinoderms (crinoid ossicles and plates) and ooids, completely silicified. Continuous chalcedony rims and drusiform quartz filling interparticle pores. Silica nodules and microcrystalline silica replacing particles. Locally coarse calcite filling rock fracture pore and partially replacing particles and silica cement.



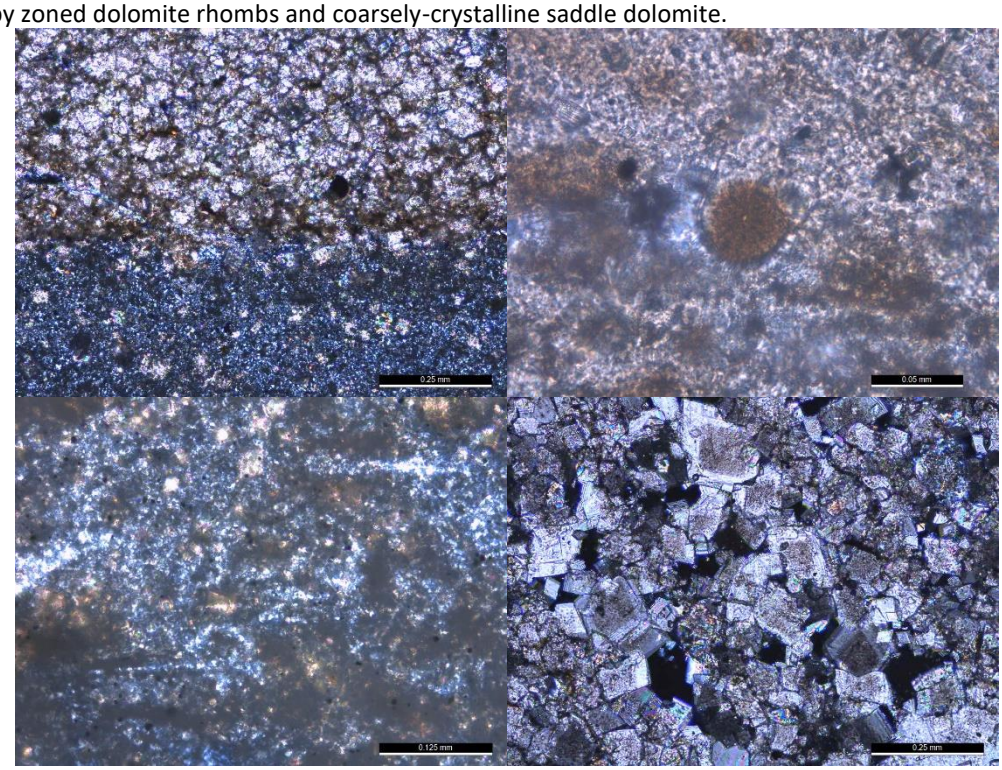
Rich C#7 5828.6: Intraclastic rudstone with dolomitic, siliceous and silicified mud intraclasts, cemented by coarse saddle dolomite. Dolomite intraclasts extensively replaced by zoned dolomite rhombs. Microcrystalline silica intraclasts and silica nodules with radial habit replacing framework particles.



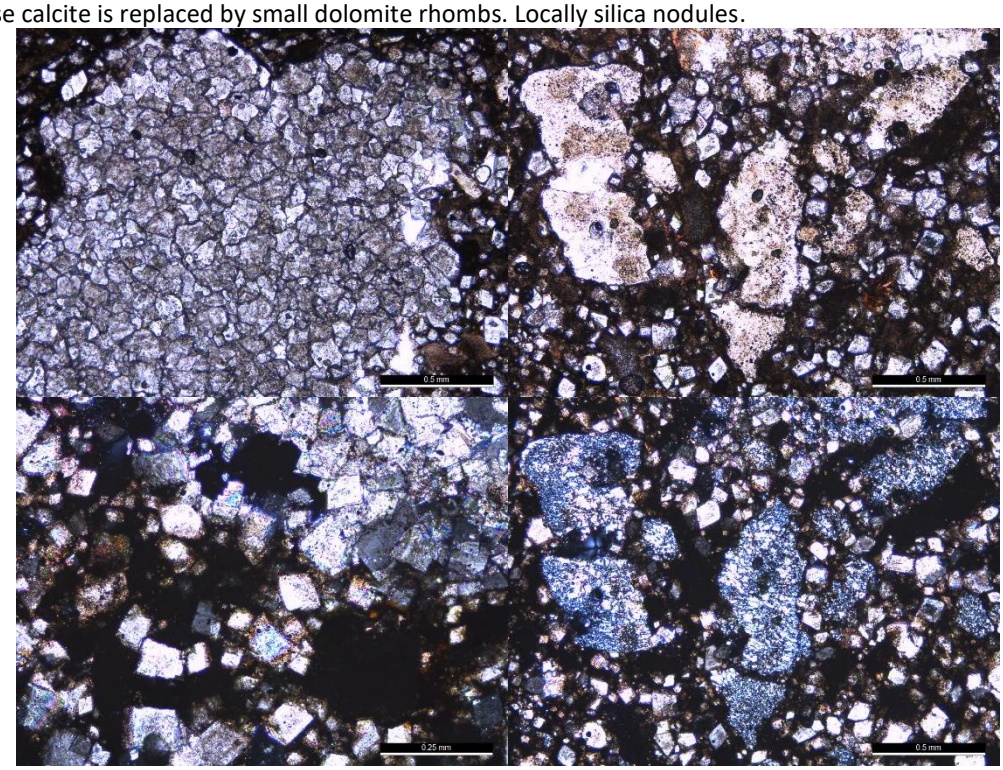
Rich C#7 5831.5: Intraclastic rudstone with dolomitic, siliceous and mud intraclasts, partially dolomitized, cemented by coarse saddle dolomite and locally coarse, parallel-oriented crystals. Zoned dolomite rhombs replacing clasts and cement. Silica nodules.



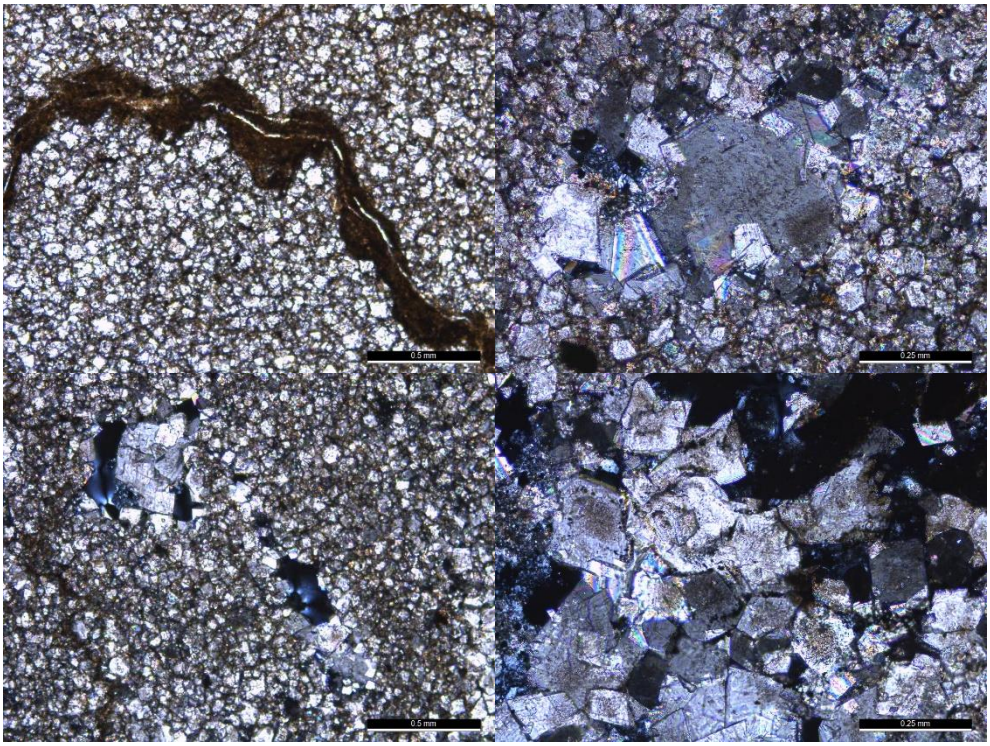
Rich C#7 5834: Contact between 1) laminated, siliceous, peloidal mudstone rich in radiolarians and spicules, replaced by finely-crystalline dolomite, and 2) muddy dolostone composed of very finely-crystalline dolomite with many tiny vug pores, partially filled by zoned dolomite rhombs and coarsely-crystalline saddle dolomite.



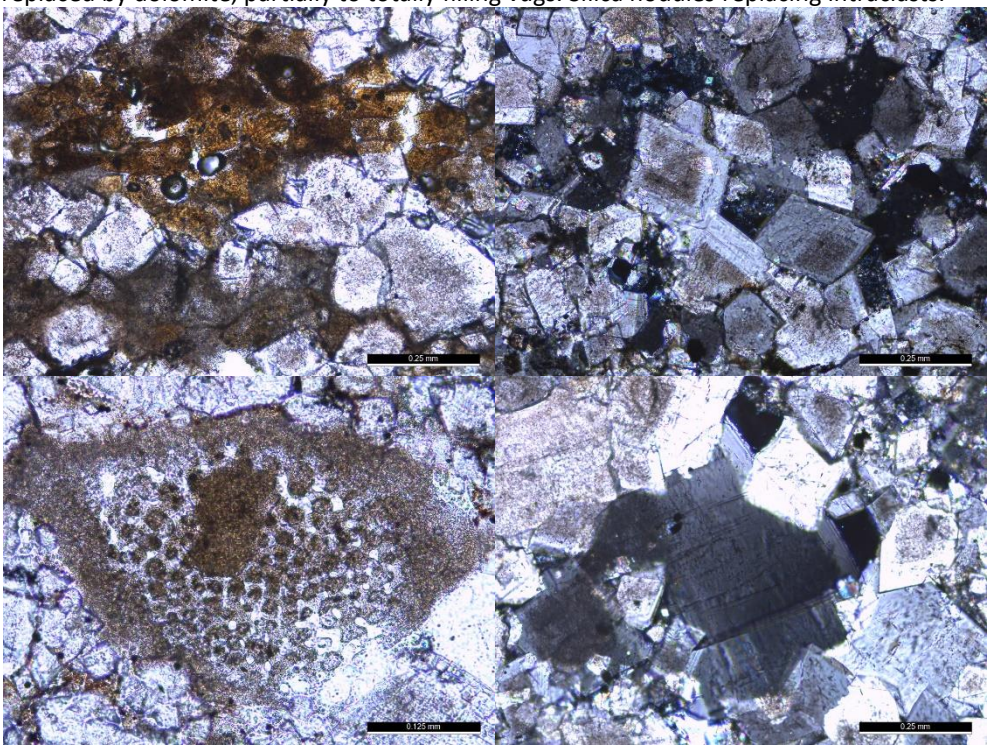
Rich C#7 5835.33: Intraclastic rudstone with siliceous and mud dolomitic intraclasts replaced by finely-crystalline dolomite and cemented by coarsely-crystalline calcite. Silliceous, peloidal mud preserved along stylolitic surface. Abundant siliceous mud intraclasts compacted to pseudomatrix. Interstices and dissolution pores filled by calcite, coarsely-crystalline and radially oriented. Coarse calcite is replaced by small dolomite rhombs. Locally silica nodules.



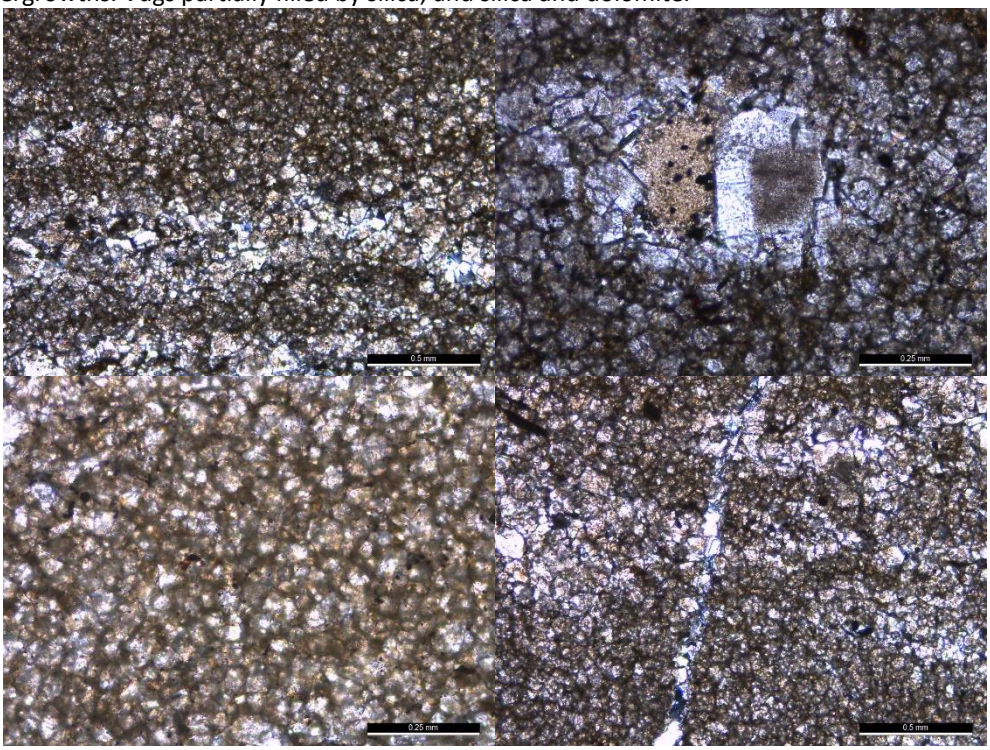
Rich C#7 5837: Very finely-crystalline dolostone replacing mud, with moldic pores partially filled by zoned dolomite rhombs and coarse saddle dolomite (rarely by microcrystalline quartz).



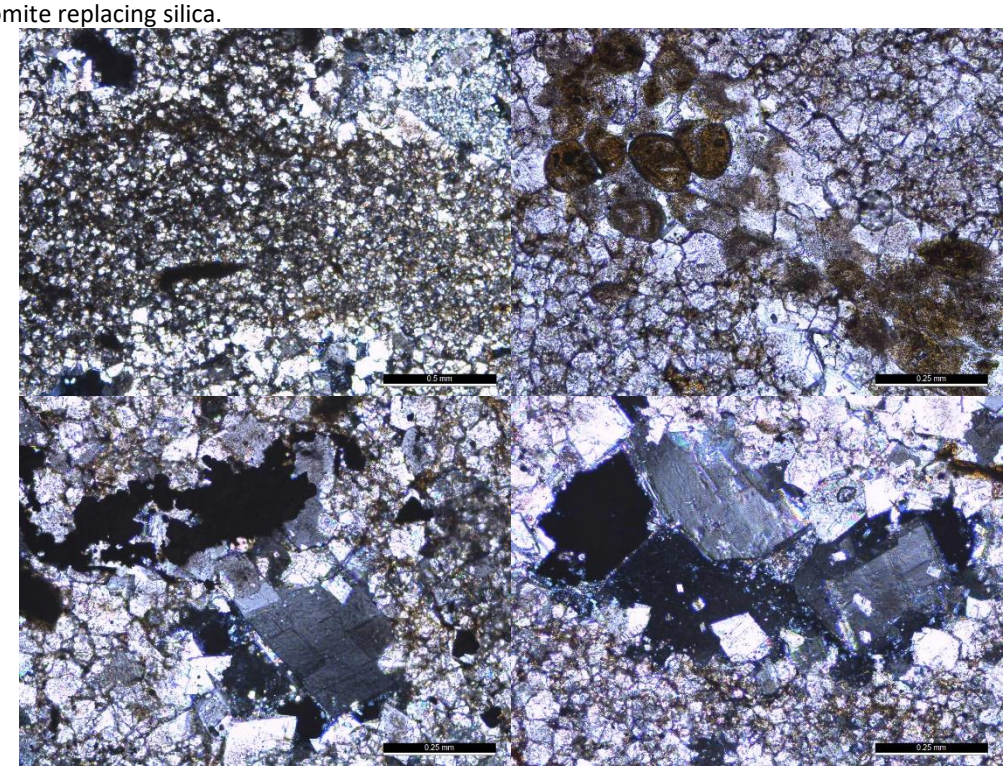
Rich C#7 5841.33: Intraclastic rudstone with siliceous and dolomitic mud intraclasts, with oxidized radiolarians?, replaced by finely-crystalline dolomite. Intraclasts partially compacted to pseudomatrix. Dolomite overgrowth covering dolomite rhombs. Abundant silica, replaced by dolomite, partially to totally filling vugs. Silica nodules replacing intraclasts.



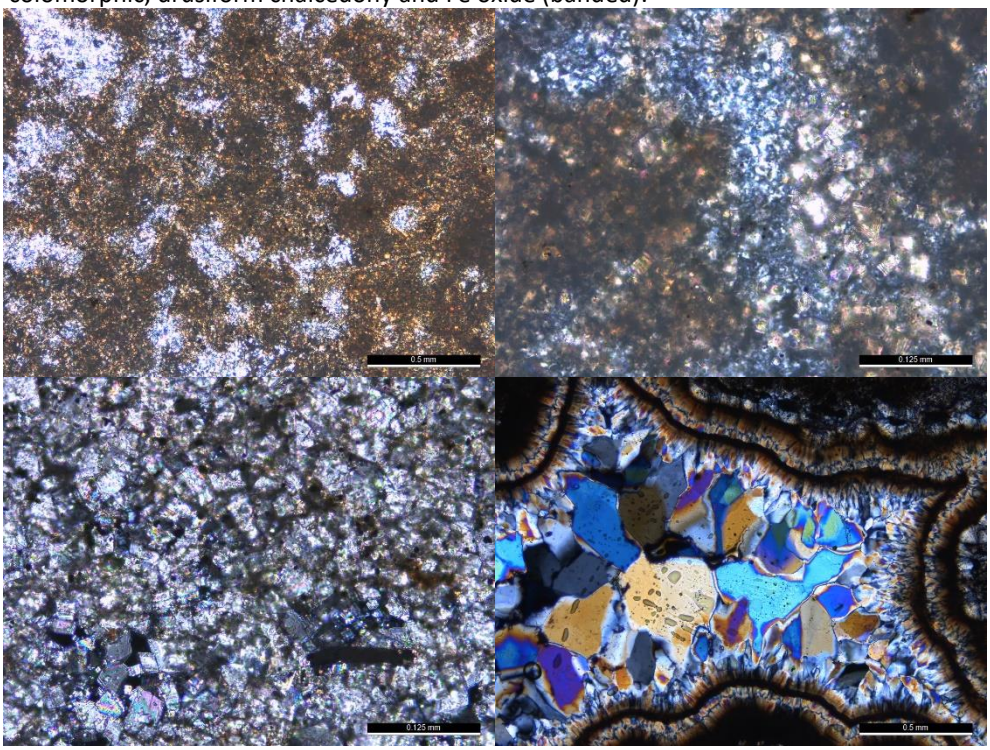
Rich C#7 5841.83: Laminated wackestone with bioclast “ghosts”, partially dolomitized, fractured. Finely-crystalline dolomite and dolomite overgrowths. Vugs partially filled by silica, and silica and dolomite.



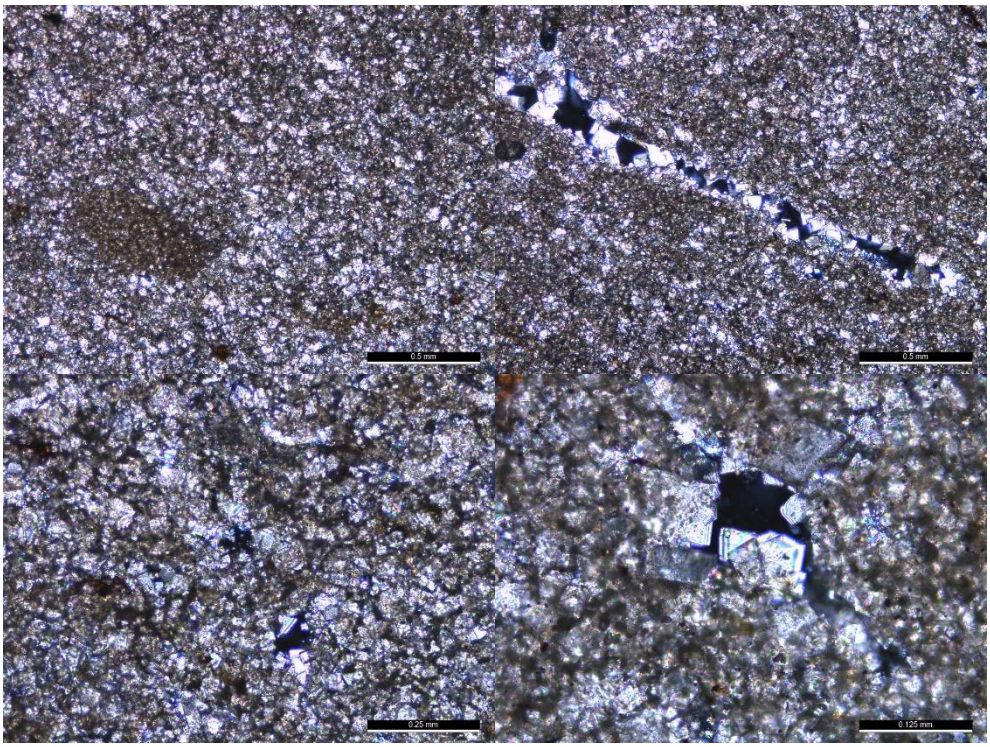
Rich C#7 5843.83: Originally a intraclastic-bioclastic rudstone. Muddy finely-crystalline dolostone, siliceous and mud intraclasts (partially replaced by siderite, oxidized). Moldic porosity (dissolution of bioclasts). Vugs filled by saddle dolomite and silica. Dolomite replacing silica.



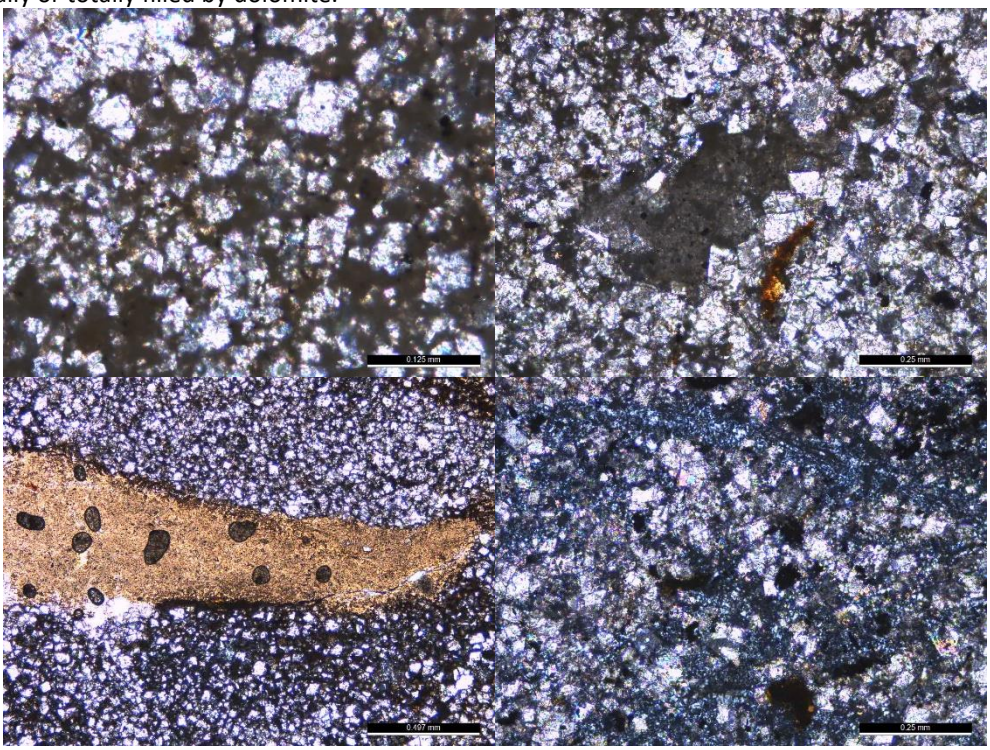
Rich C#7 5852.66: Contact between muddy, very finely-crystalline dolostone with small vug pores partially filled by dolomite, and oxidized chert (spiculite?), replaced by dolomite and siderite, with fractures (open or filled by microquartz) and vugs partially filled by colomorphic, drusiform chalcedony and Fe oxide (banded).



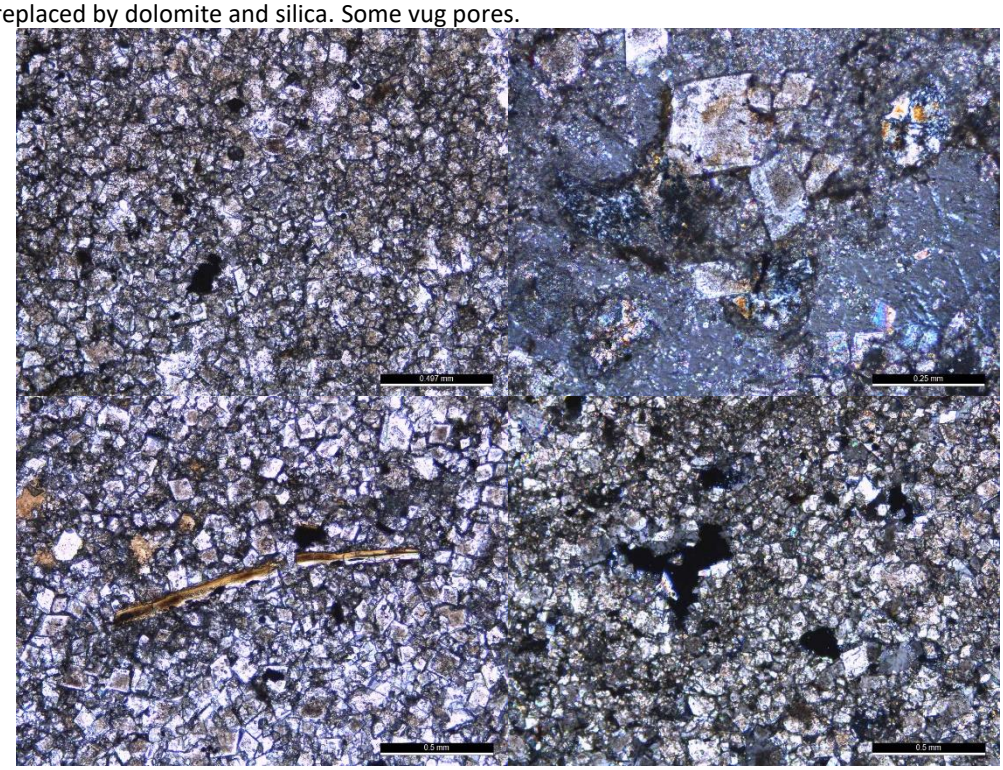
Rich C#7 5853.5: Muddy, very finely-crystalline dolostone with “ghosts” of mud intraclasts and bioclasts (recrystallized by dolomite or dissolved). Relicts of mud between dolomite crystals. Small vug pores and moldic pores (dissolution of bioclasts) partially filled by dolomite rhombs.



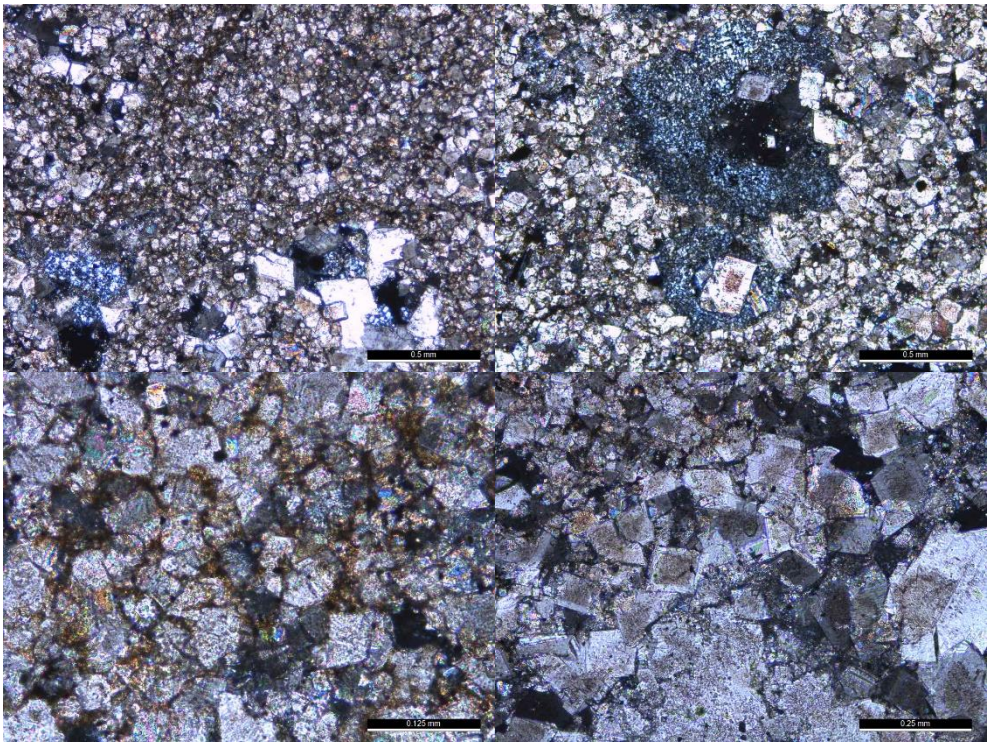
Rich C#7 5857.66: Very muddy, very finely-crystalline dolostone, partially silicified (silica replacing matrix and bioclasts), fluidized and fractured. Large phosphate intraclasts partially replaced by dendritic oxides. Moldic pores (dissolution of bioclasts?) partially or totally filled by dolomite.



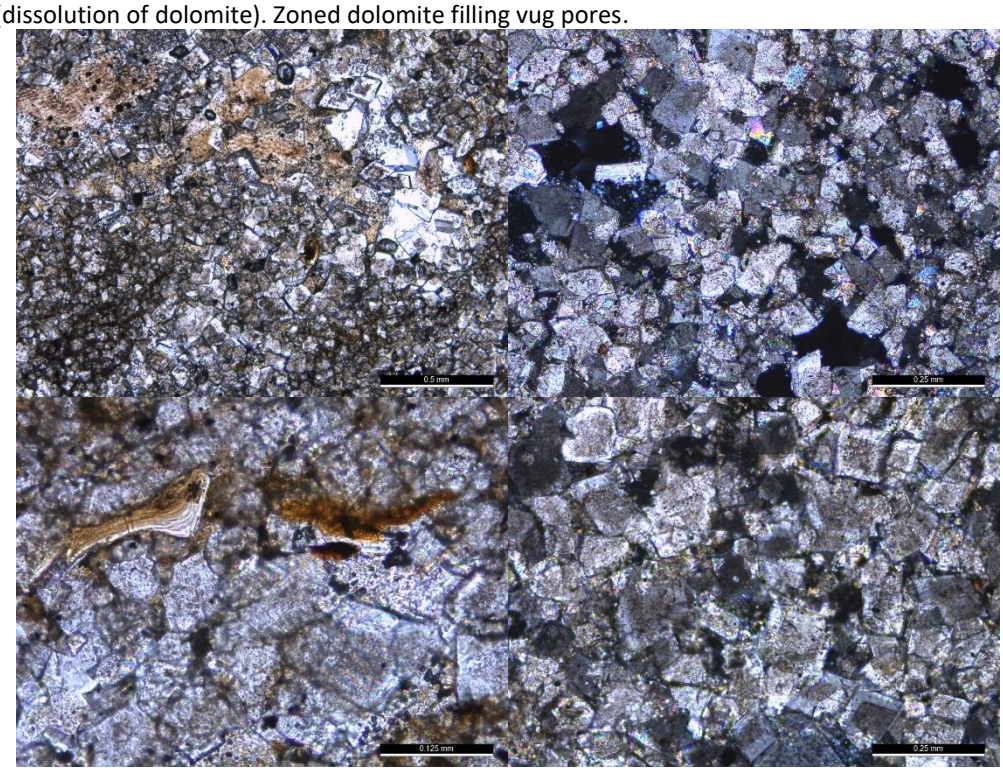
Rich C#7 5860.5: Muddy, finely-crystalline dolostone with sparse phosphate bioclasts. Coarsely-crystalline calcite filling vugs and fractures, replaced by dolomite and silica. Some vug pores.



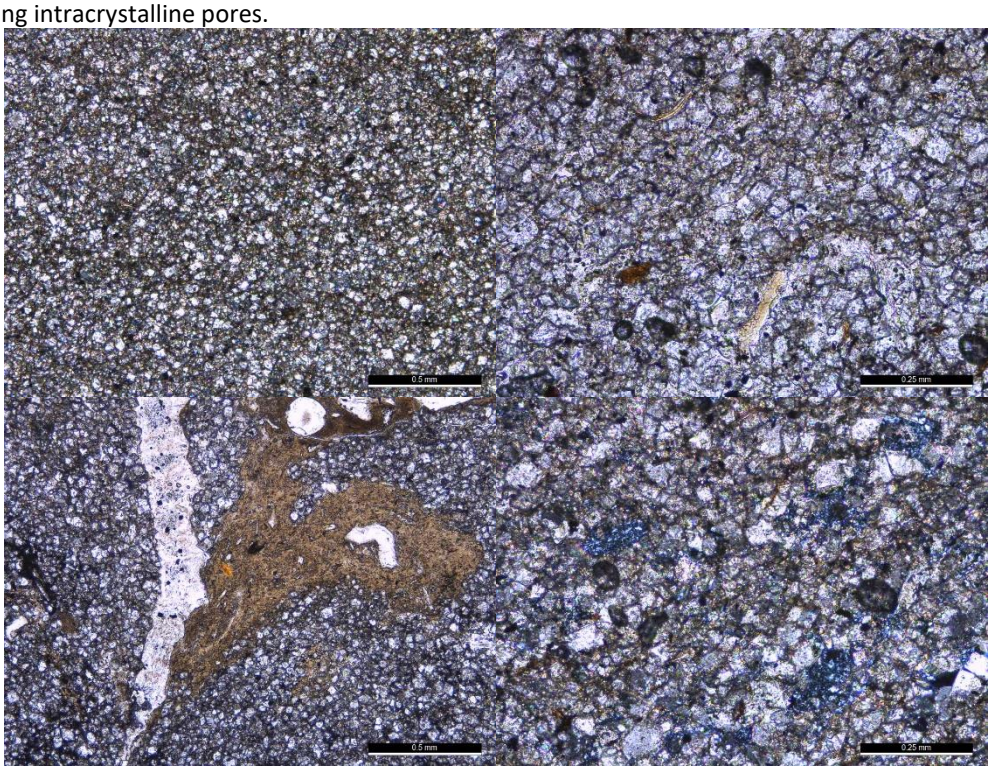
Rich C#7 5863: Muddy finely-crystalline dolostone with silica nodules and zoned dolomite filling vug pores, bioturbated and fluidized.



Rich C#7 5864: Muddy dolostone with phosphate and siliceous grains, amorphous organic matter and relicts of muddy matrix, bioturbated and fluidized. Silica nodules replacing particles and fillings vug pores, microcrystalline silica filling intercrystalline and vug pores (dissolution of dolomite). Zoned dolomite filling vug pores.



Rich C#7 5865.5: Muddy, very finely-crystalline dolostone with discontinuous, parallel laminae with relicts of mud matrix; rare phosphate particles (bioclasts and intraclasts) and amorphous organic matter. Fluidized. Microquartz replacing round particles and filling intracrystalline pores.



Rich C#7 5866.66: Intraclastic rudstone with siliceous and mud intraclasts. Siliceous intraclasts are opal, chert and chalcedony, rich in radiolarians and spicules. Partially to totally silicified large bioclasts (bivalves, bryozoans). Cemented by coarsely crystalline calcite, which also fill intraparticle porosity. Replacive silica nodules in intraclasts; rarely small dolomite rhombs replacing calcite.