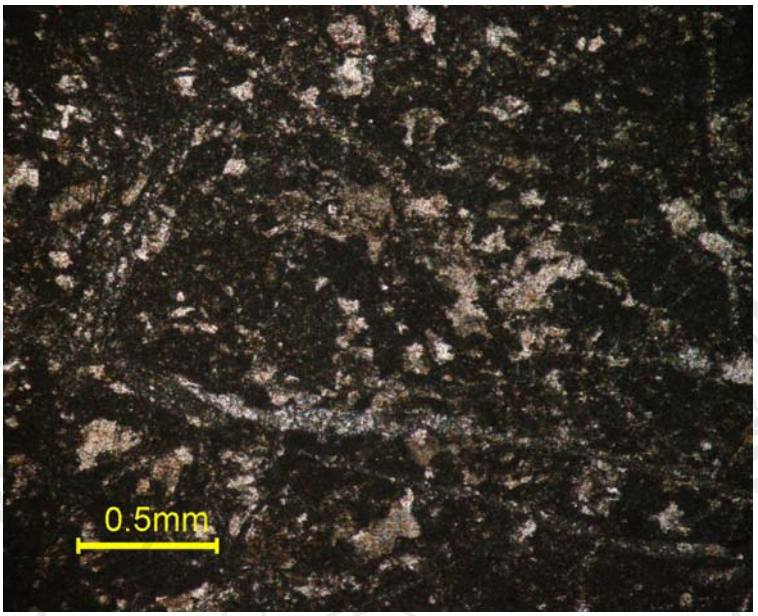
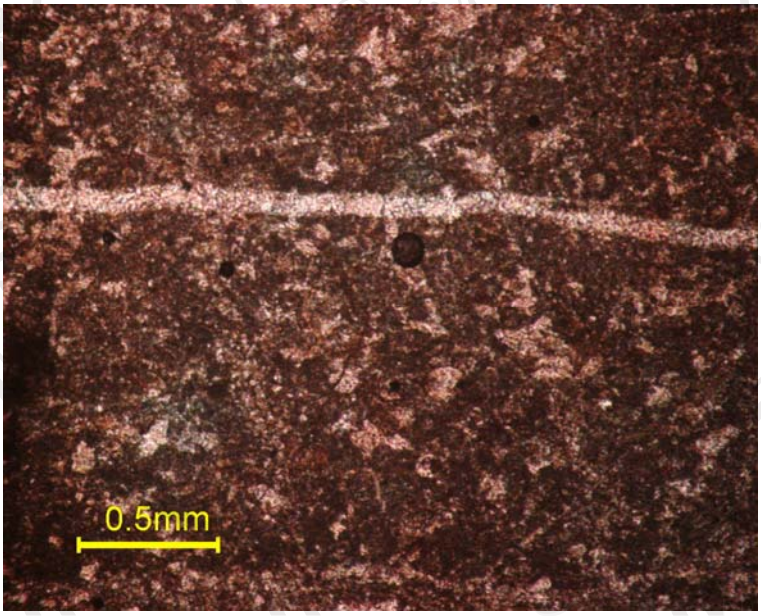
APPENDIX

E 3/1



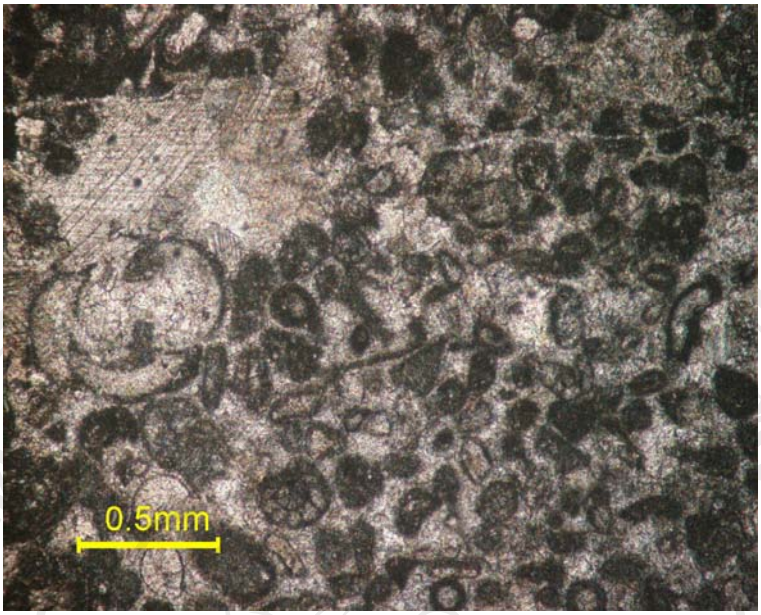


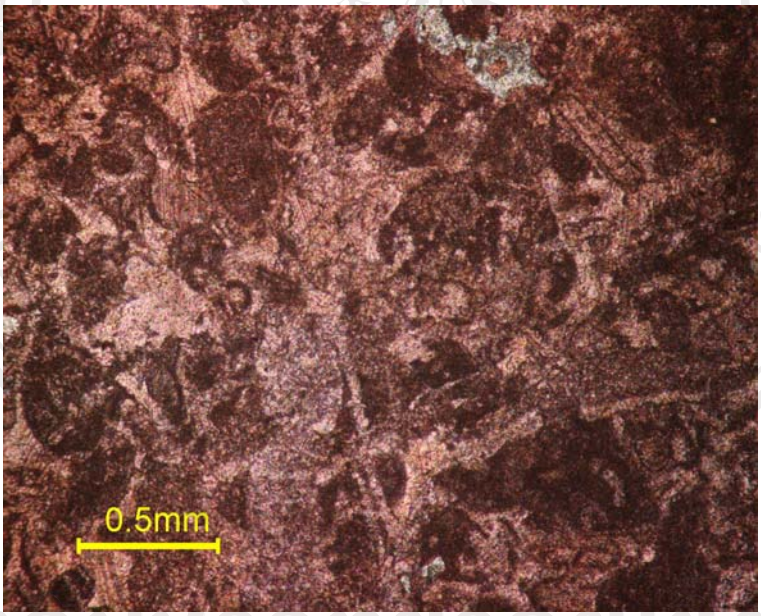
Description

Microspar microfacies.

This thin-section shows the feature of deformation from folding and faulting. After deformation, the neomorphism occured. The term neomorphism is a process of in situ replacement of one mineral by another of similar composition. The neomorphic feature comprises irregular crystals with curved and embayed boundaries, a variable crystal size with remnants of micritic sediment. Microspar, pseudospar and secondary micrite were found.

E 3/2



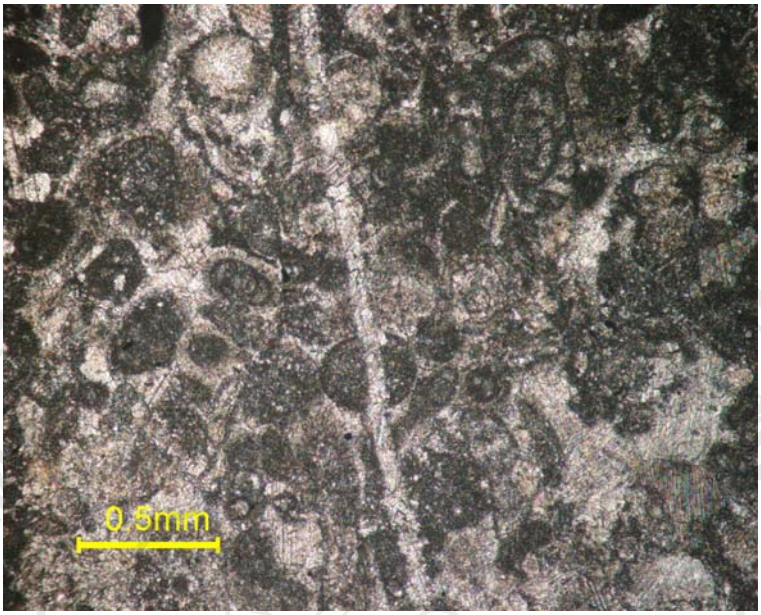


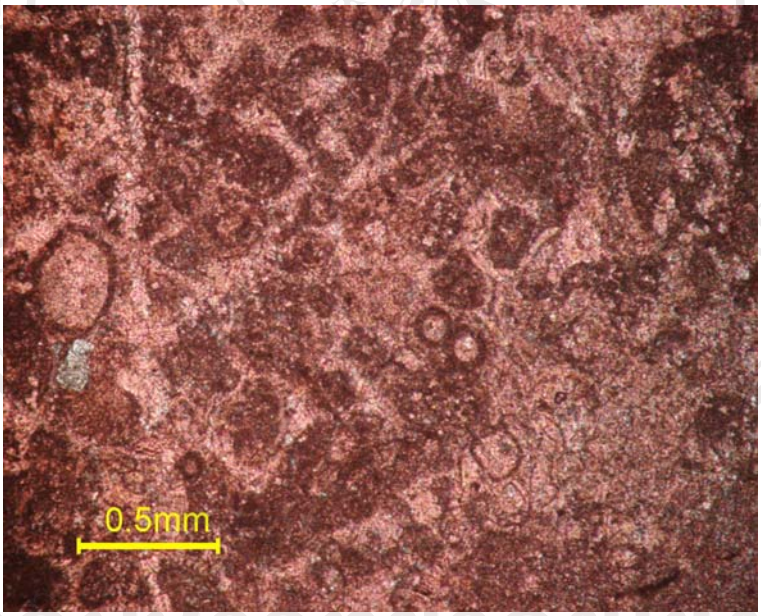
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are ooid, intraclast, aggregate grains and cortoid. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 40%, the ooid 5%, the intraclasts 5%, the aggregate grains 2%, the cortoid 1%, and the bioclast 2%. The diameter of peloid grains are 0.10 mm. The diameter of intraclast grains are 0.925 mm. and angular in shape. The diameter of ooid grains are 0.125 mm. most of ooid grain are carbonate mud nucleus (nucleus = 0.075 mm., cortex = 0.05 mm.), some are foraminifera nucleus. The diameter of cortoid grains are 0.675 mm. The calcite veins have three generation. The cement is drusy spar type.

E 3/3



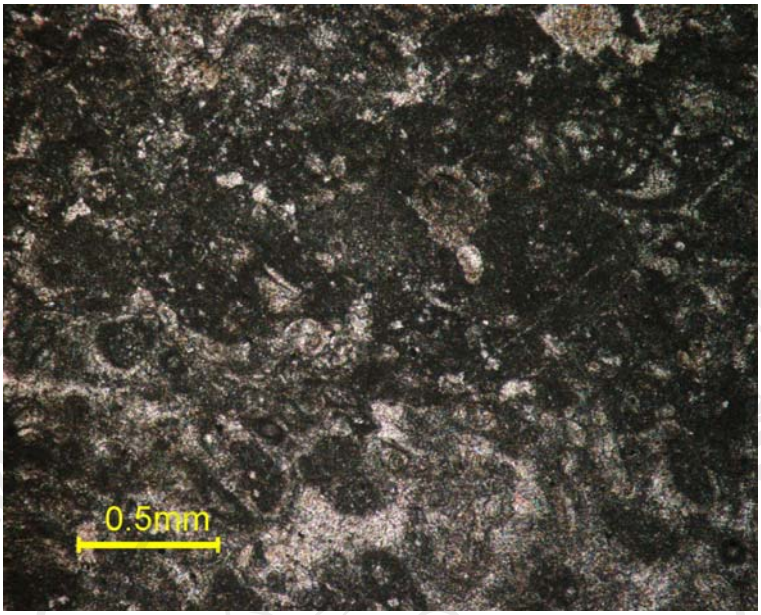


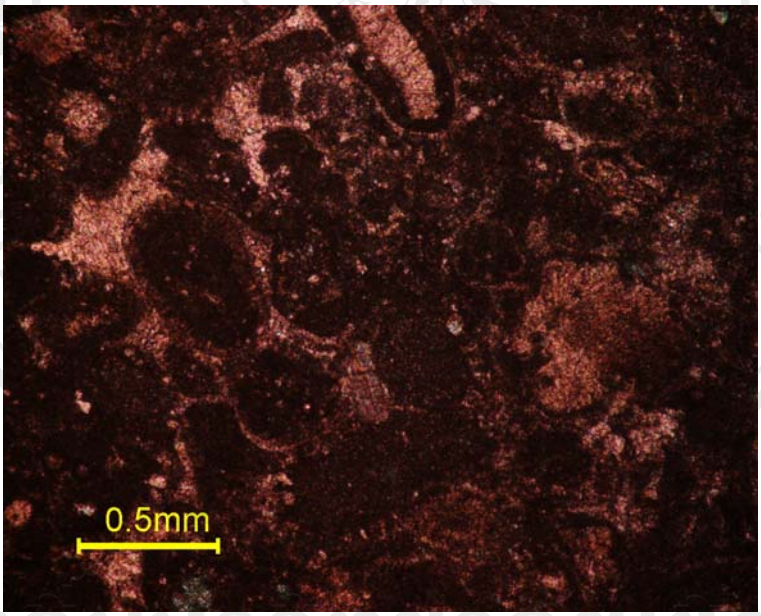
Description

Oosparite microfacies.

Ooid grains dominate, but found some peloid grains. Other grain is aggregate. The bioclasts are small foram and calcisphere. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 50%, the aggregate grains 5%, and the bioclast 5%.The diameter of ooid grains are 0.325 mm. most of ooid grain are carbonat mud nucleus (nucleus = 0.25 mm., cortex = 0.05 mm.), some are foraminifera nucleus. The diameter of aggregate grains are 0.425 mm. and subround in shape.The diameter of peloid grains are 0.15 mm.The calcite vein have three generation. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 0.5 mm. and subhedral to anhedral in shape.

E 3/4



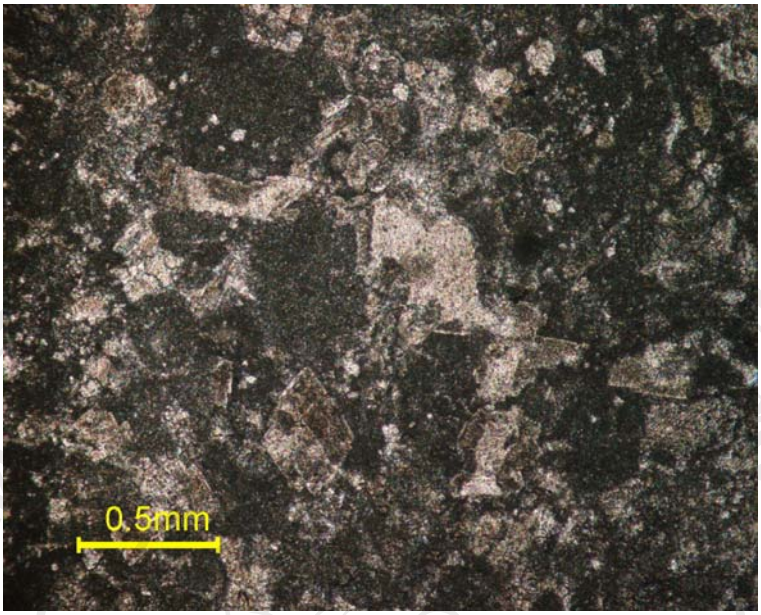


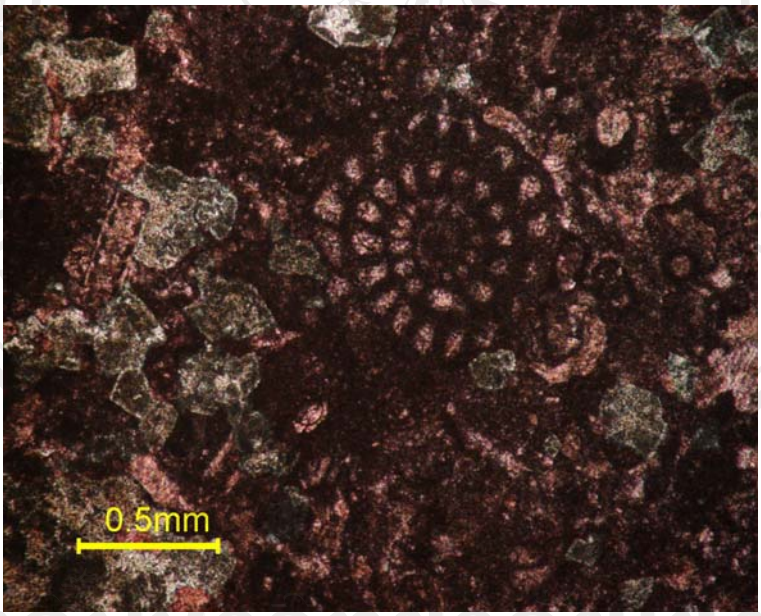
Description

Pelsparite microfacies.

Peloid grains dominate, another grains are ooid, intraclast, aggregate grains and cortoid. The bioclasts are small forams and calcisphere. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 40%, the ooid 5%, the intraclasts 5%, aggregate grains 2%, the cortoid 1%, and the bioclast 2%. The diameter of peloid grains are 0.15 mm. to 0.175 mm. The diameter of intraclast grains are 0.425 mm. to 0.925 mm. and angular in shape.The diameter of ooid grains are 0.2 mm. to 0.5 mm. most of ooid grain are carbonat mud nucleus (nucleous = 0.15 mm., cortex = 0.025 mm.), some are foraminifera nucleus. The cortex show radial structure.The diameter of cortoid grains are 0.675 mm. The cement is drusy spar type.

E 3/5



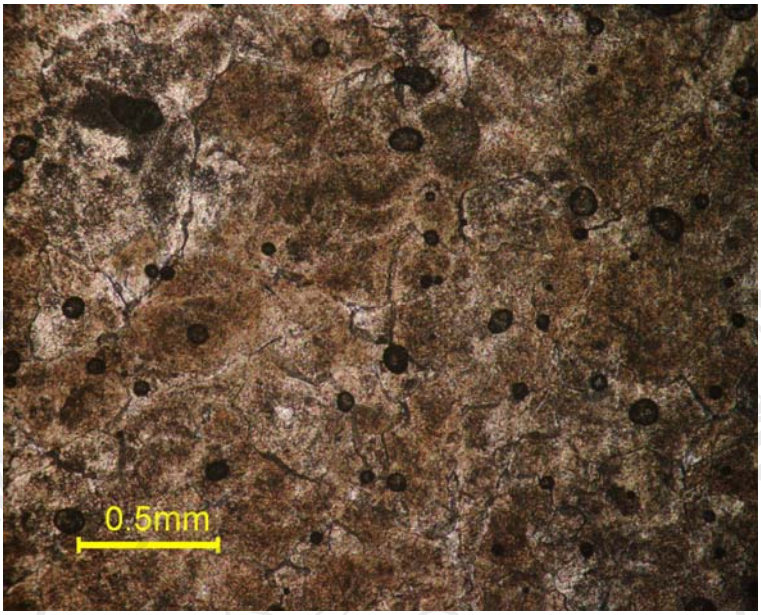


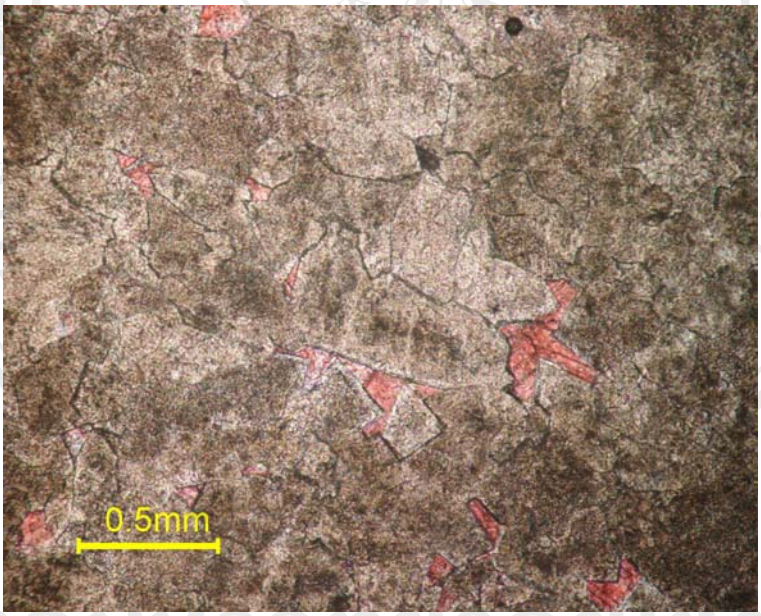
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are intraclast, and aggregate grains. The bioclasts are small forams and calcisphere. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 45%, the intraclasts 5%, the aggregate grains 3%, and the bioclast 2%. The diameter of peloid grains are 0.125 mm. to 0.15 mm. The diameter of intraclast grains are 0.425 mm. to 0.75 mm. and angular in shape. The cement is drusy spar type. Microspars are found. Some dolomite crystals are found. The crystals are inequicrystalline. The crystal sizes of dolomite are between 0.15 mm. and 0.4 mm. and anhedral to euhedral in shape.

E 3/6





Description

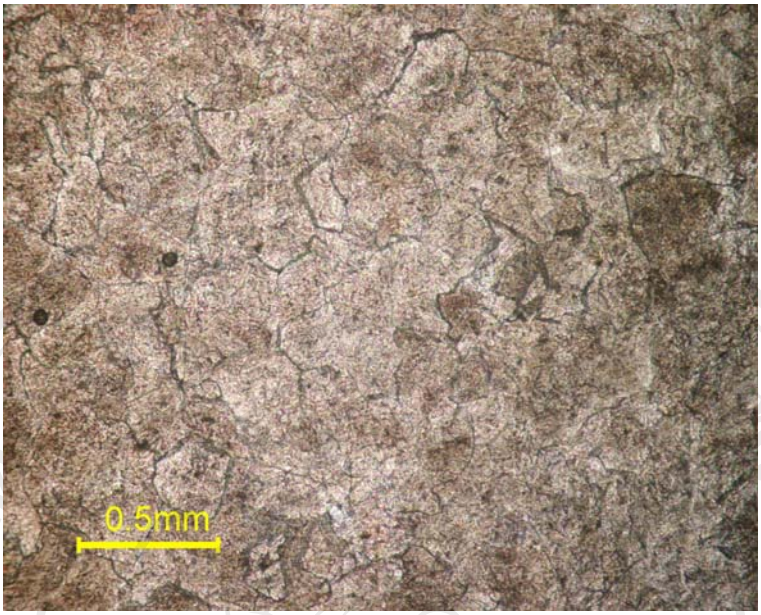
Dolomite microfacies.

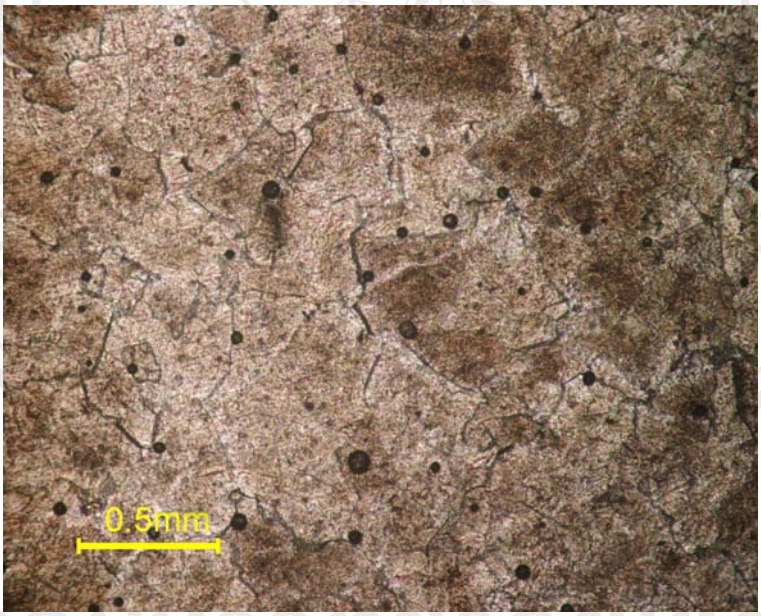
The petrography shows coarsely crystalline dolomites with a fair proportion of straight boundaries.

The fabric could be described as planar subhedral.

A planar fabric where most of the crystals are euhedral, and the intercrystal pore-space has been filled with a post-dolomitisation calcite cement.

E 3/7





Description

Dolomite microfacies.

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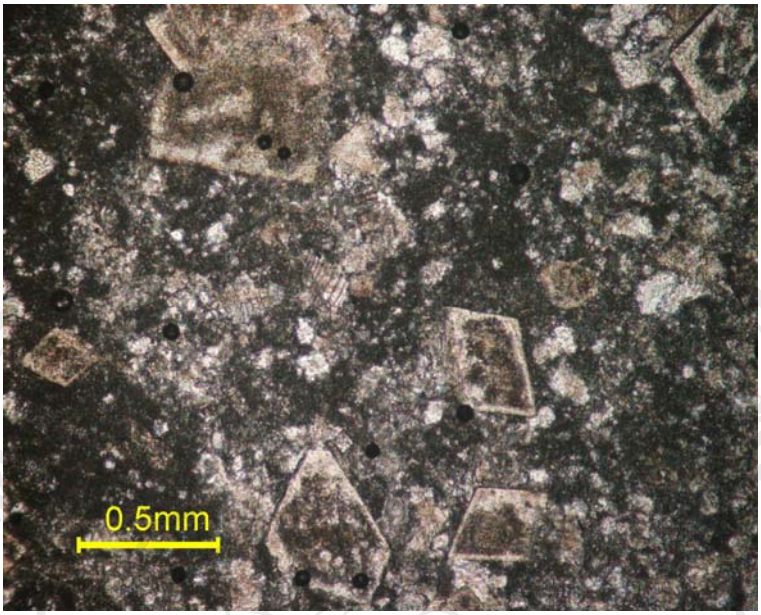
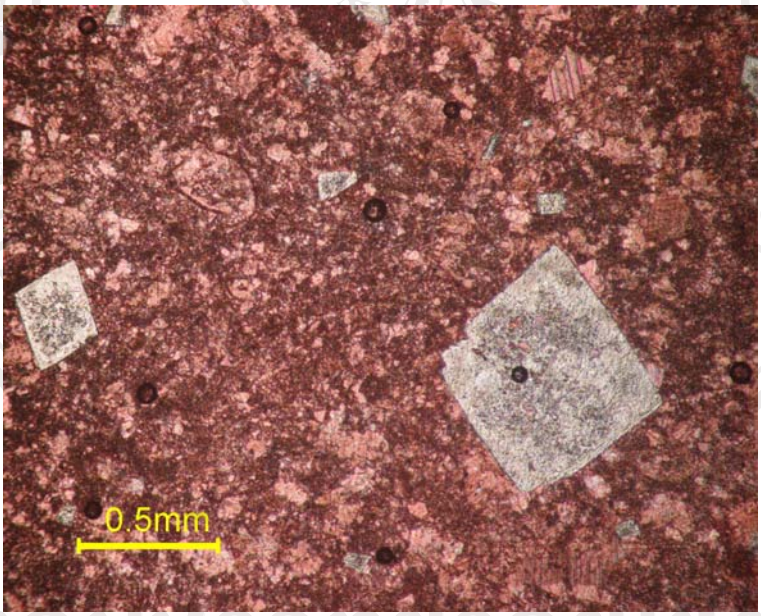
The fabric could be described as planar subhedral.

A planar fabric where most of the crystals are euhedral, and the intercrystal pore-space has been filled with a post-dolomitisation calcite cement.

E 3/8





Description

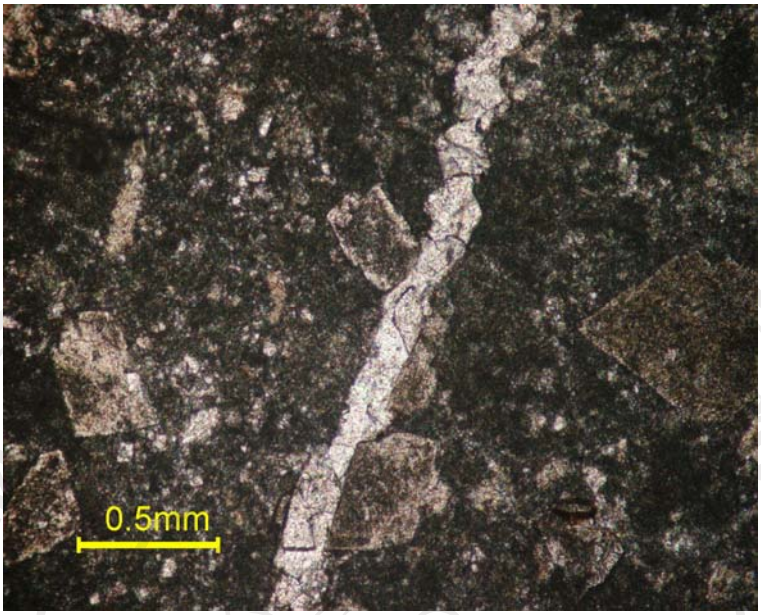
Microspar microfacies.

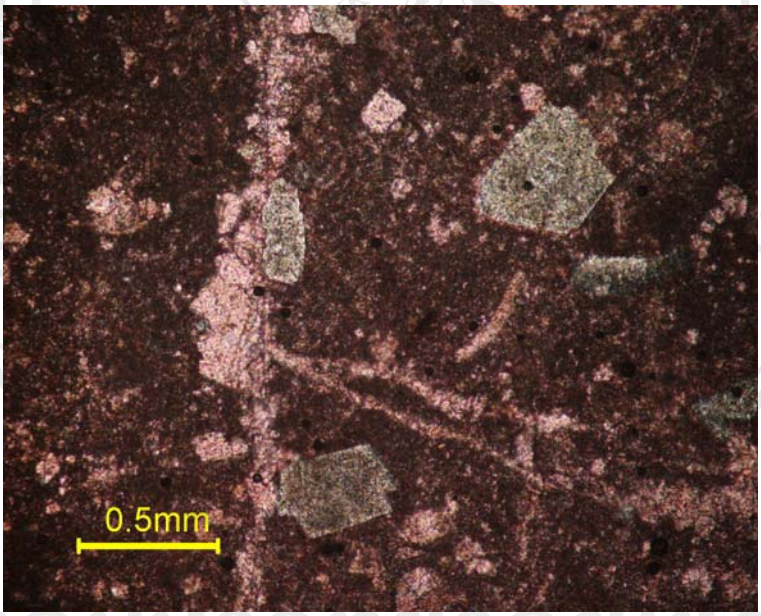
This thin-section shows the feature of deformation from folding and faulting.

The carbonate grains were destroyed by deformation. After deformation, the neomorphism developed. The term neomorphism is used for processes of in situ replacement of one mineral by another of similar composition.

The neomorphic feature comprises irregular crystals with curved and embayed boundaries, a variable crystal size with remnants of micritic sediment. Microspar, pseudospar and secondary micrite were found. Some dolomite crystals are found. The crystals are inequicrystalline. The crystal sizes of dolomite are between 0.2 mm. to 0.7 mm. and subhedral to euhedral in shape.

E 3/9





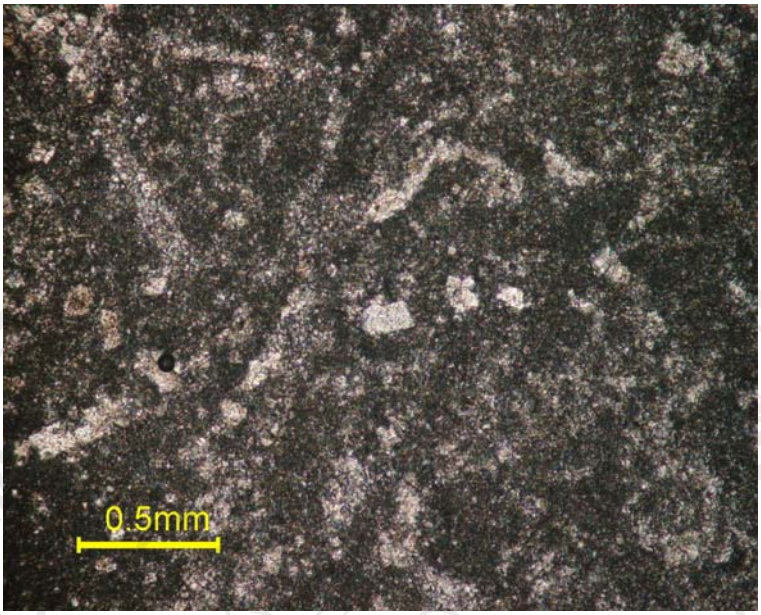
Description

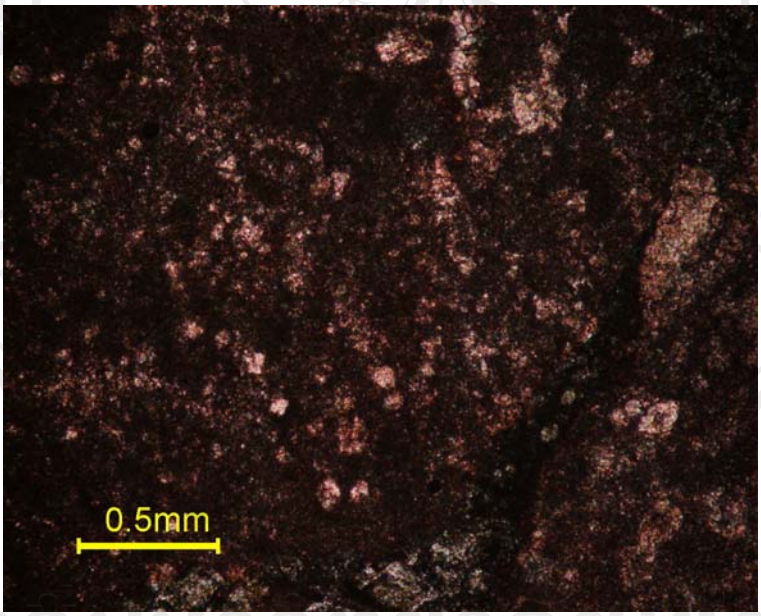
Microspar microfacies.

This thin-section shows the feature of deformation from folding and faulting. The carbonate grains were destroyed by deformation. After deformation, the neomorphism is appearing. The term neomorphism is used for processes of in situ replacement of one mineral by another of similar composition.

The neomorphic feature comprises irregular crystals with curved and embayed boundaries, a variable crystal size with remnants of micritic sediment. Microspar, pseudospar and secondary micrite were found. Some dolomite crystals are found. The crystals are inequicrystalline. The crystal sizes of dolomite are between 0.3 mm. to 0.875 mm. and subhedral to euhedral in shape.

E 3/10





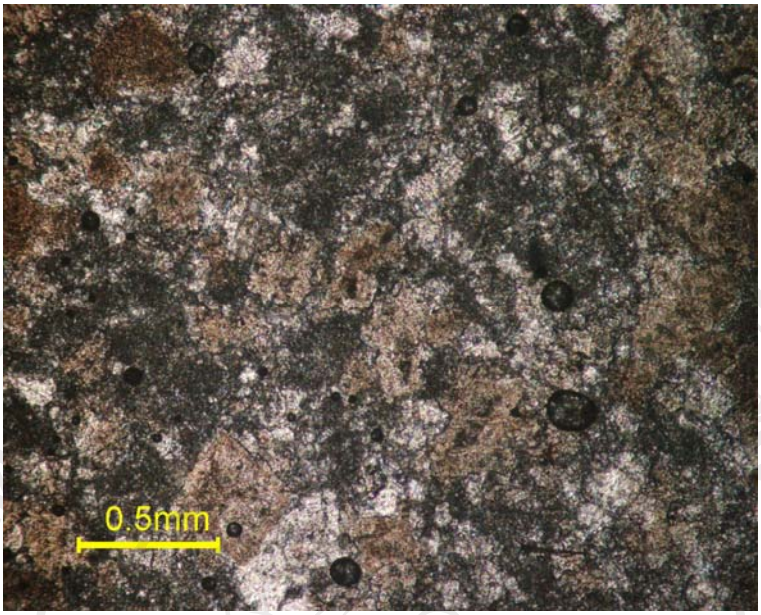
Description

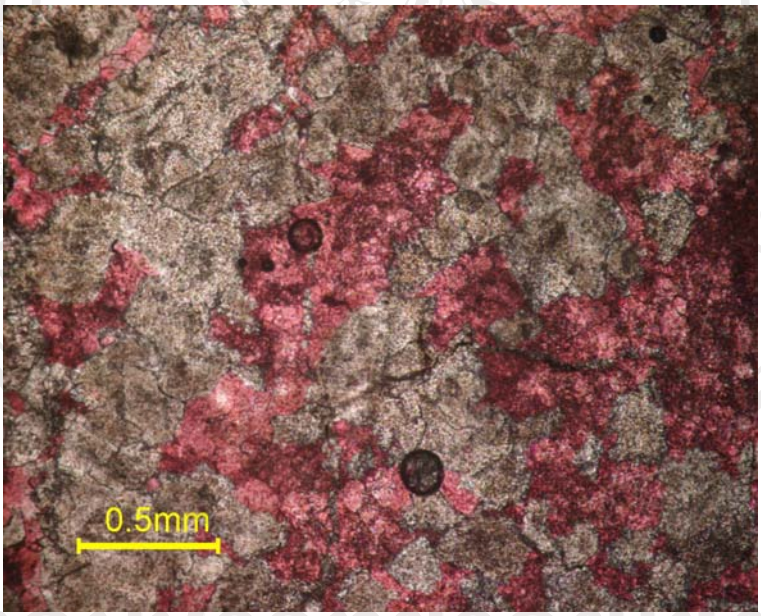
Microspar microfacies.

This thin-section shows the feature of deformation from folding and faulting. The carbonate grains were destroyed by deformation. After deformation, the neomorphism developed. The term neomorphism is used for processes of in situ replacement of one mineral by another of similar composition.

The neomorphic feature comprises irregular crystals with curved and embayed boundaries, a variable crystal size with remnants of micritic sediment. Microspar, pseudospar and secondary micrite were found. Some dolomite crystals are found. The crystals are inequicrystalline. The crystal sizes of dolomite are between 0.2 mm. to 0.625 mm. and subhedral to euhedral in shape.

E 3/11





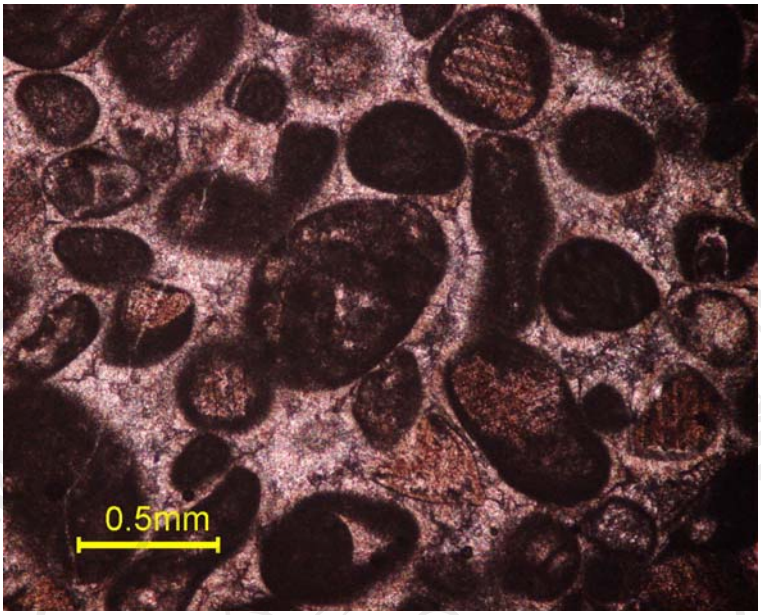
Description

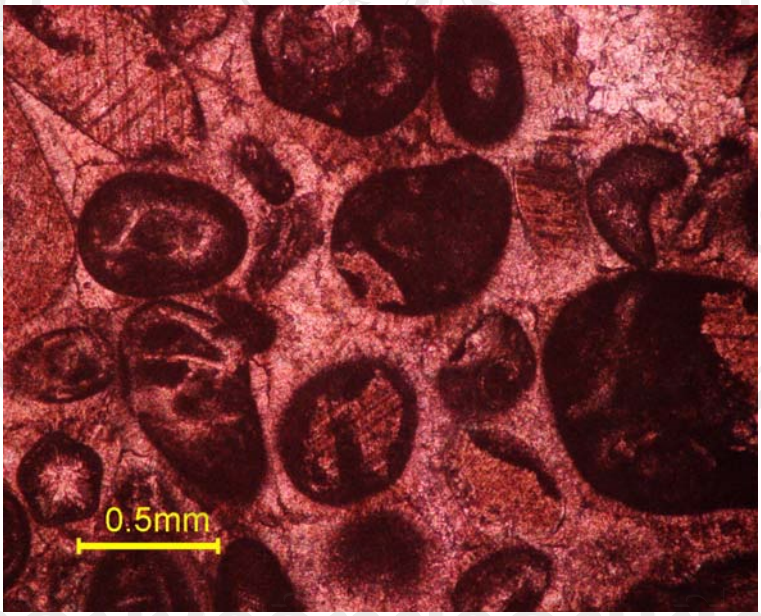
Microspar microfacies.

This thin-section shows the feature of deformation from folding and faulting. The carbonate grains were destroyed by deformation. After deformation, the neomorphism is appearing. The term neomorphism is used for processes of in situ replacement of one mineral by another of similar composition.

The neomorphic feature comprises irregular crystals with curved and embayed boundaries, a variable crystal size with remnants of micritic sediment. Microspar, pseudospar and secondary micrite were found. Some dolomite crystals are found. The crystals are inequicrystalline. The crystal sizes of dolomite are between 0.375 mm. to 0.625 mm. and anhedral to euhedral in shape.

E 3/12





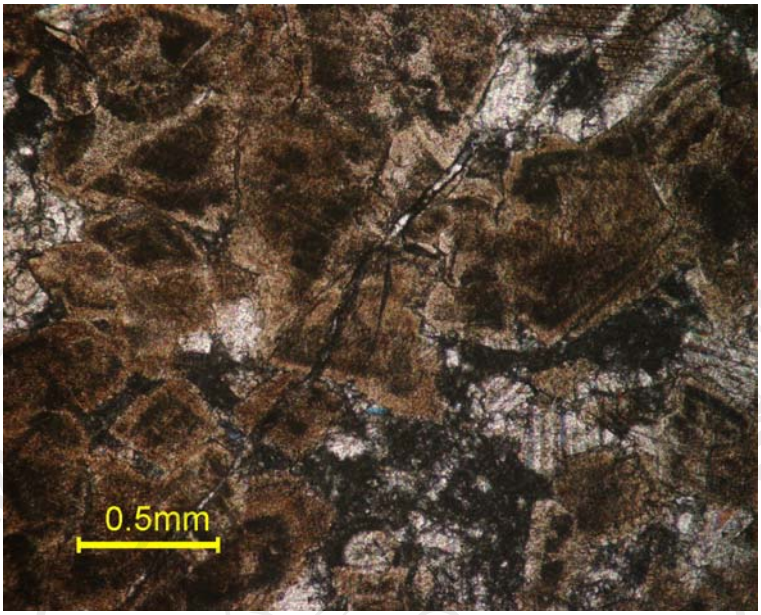
Description

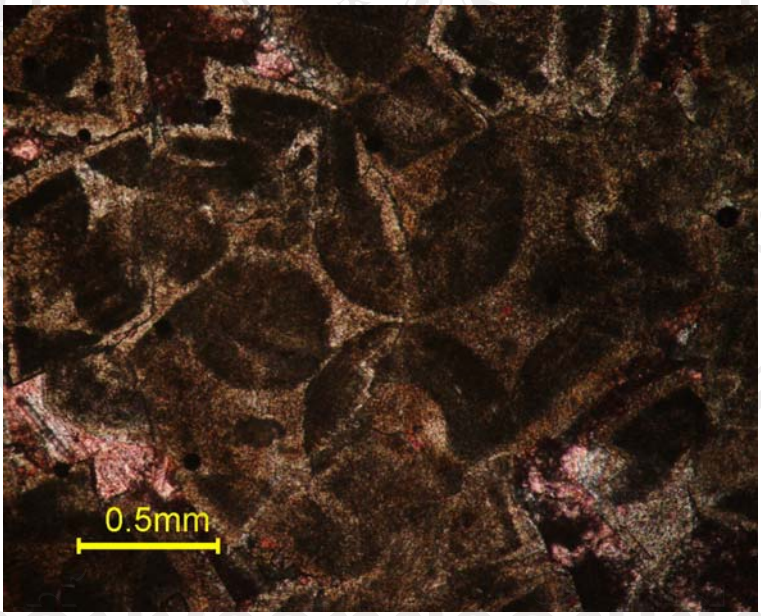
Cortoidsparite microfacies

The petrography had shown that the allochem 50%, the micrite 0%, the sparite 50%, and the porosity 0%. The allochem are composed of cortoid 40%, the peloid 5%, the intraclasts 3%, and the bioclast 2%.

The diameter of cortoid grains are between 0.25 mm. and 0.75 mm. The diameter of peloid grains are 0.15 to 0.2 mm. and angular in shape. The diameter of intraclast grains are 0.5 mm. to 1.625 mm. The cement is fibrous-rim cements. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 0.5 mm. and subhedral to anhedral in shape.

E 3/13



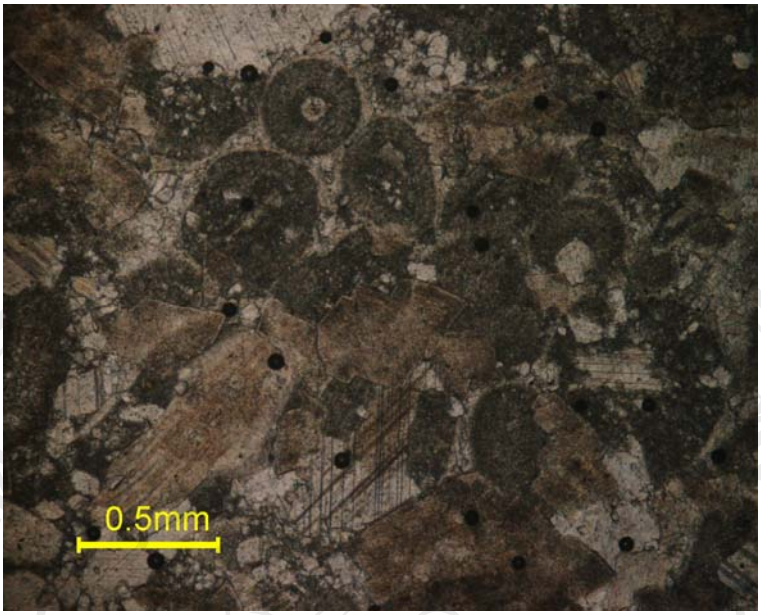


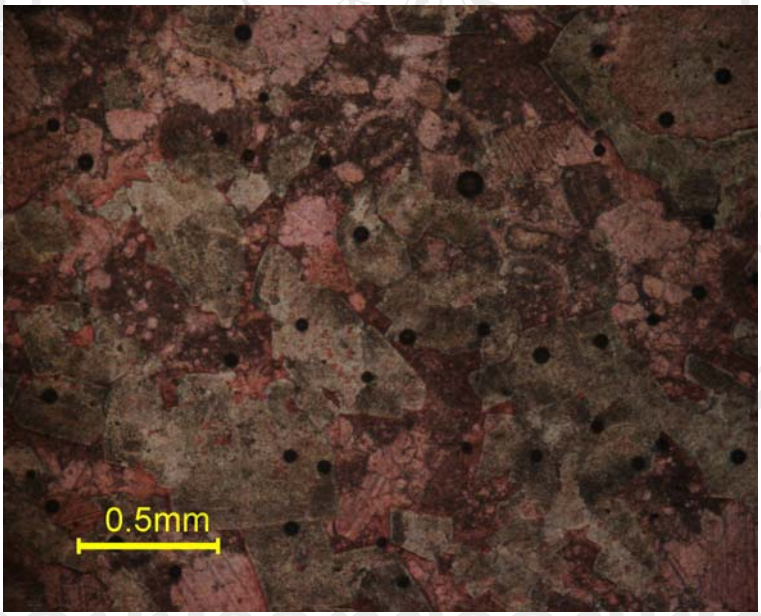
Description

Oosparite microfacies.

The petrography shows dolomititesation but still has an outline of ooid grains. The diameter of ooid grains are 0.5 mm. to 0.75 mm.The calcite veins have three generation.The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 0.5 mm. and subhedral to anhedral in shape.

E 3/14



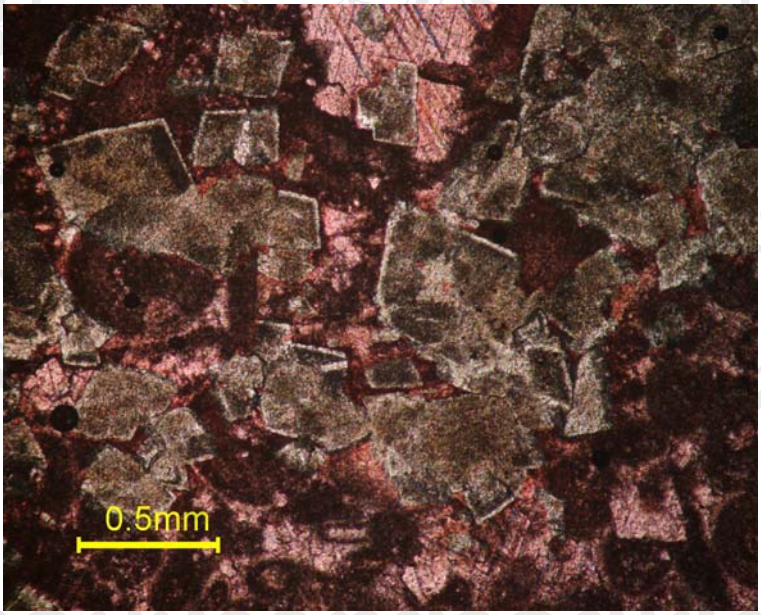


Description

Oosparite microfacies.

The petrography show of dolomitisation but still has outline of ooid grains. The diameter of ooid grains are 0.375 mm. to 0.5 mm. The calcite veins occure in three generation. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 0.5 mm. and anhedral to subhedral in shape.

E 3/15

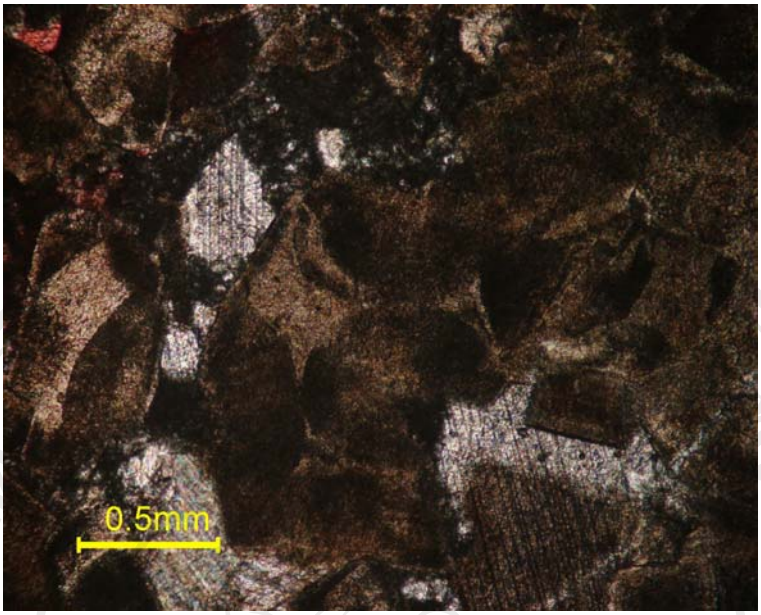


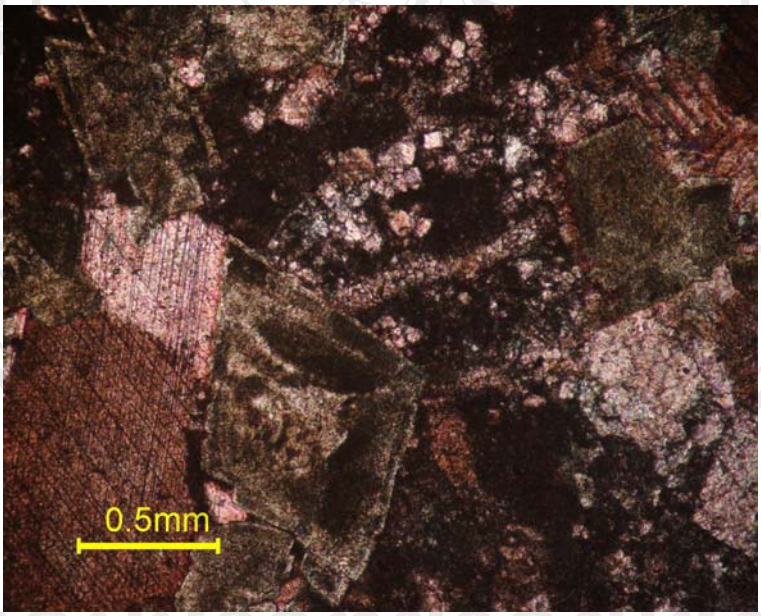
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.75 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 0.5 mm. and anhedral to subhedral in shape.

E 3/16



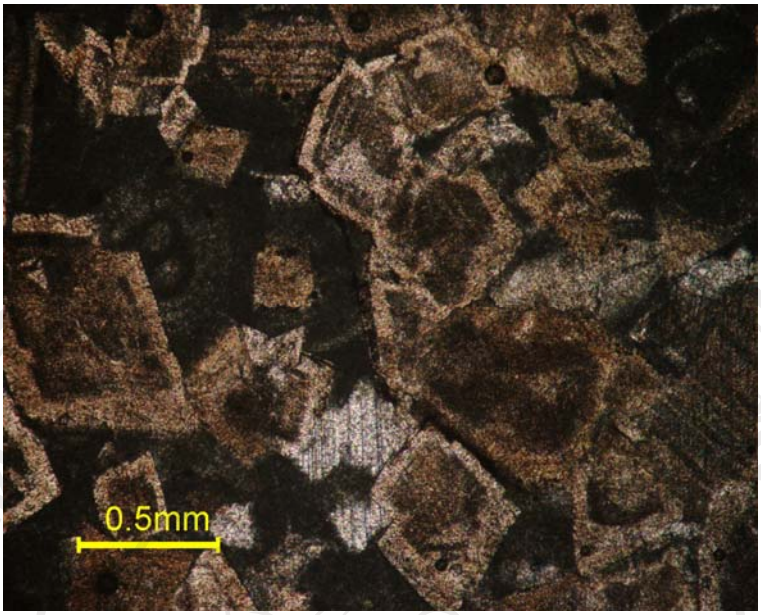


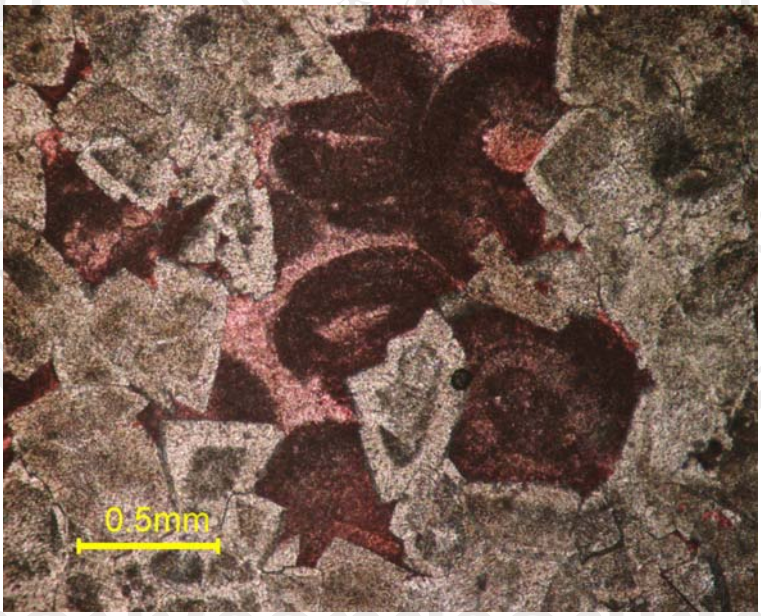
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.75 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.5 mm. to 1.5 mm. and subhedral to euhedral in shape.

E 3/17



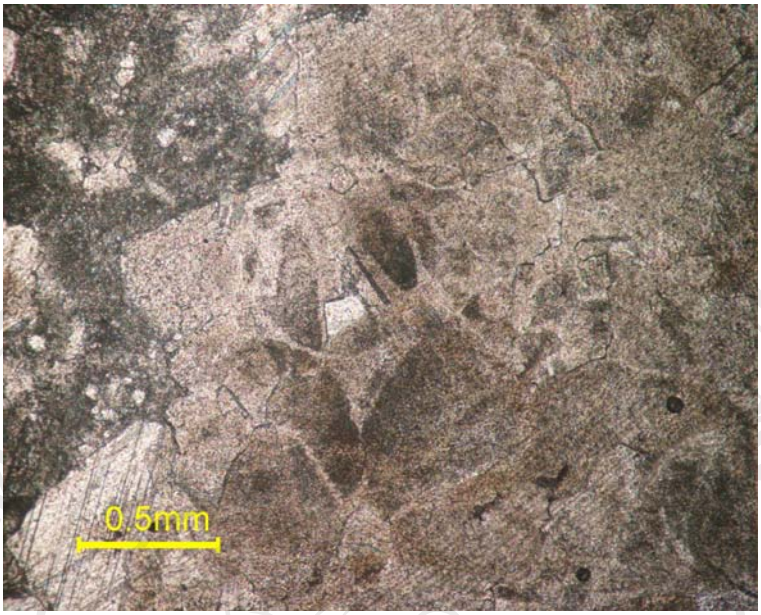


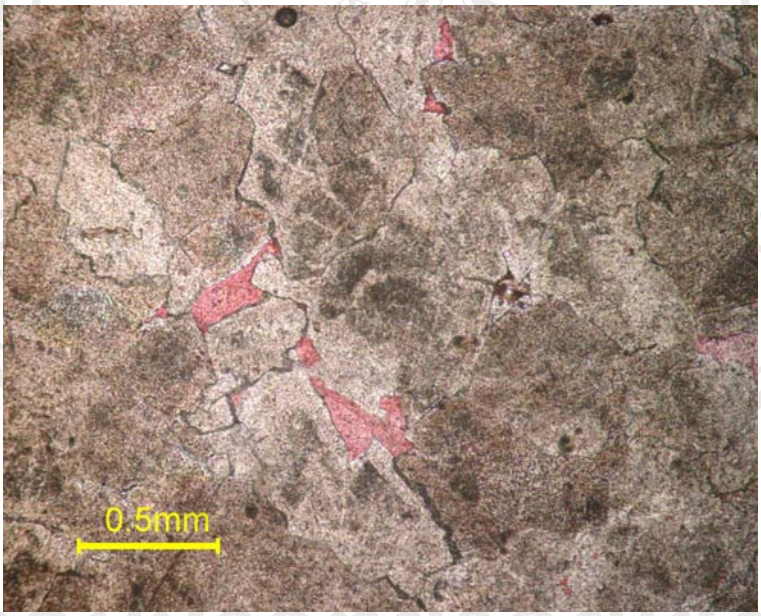
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.375 mm. to 1.25 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 1.5 mm. and subhedral to euhedral in shape.

E 3/18



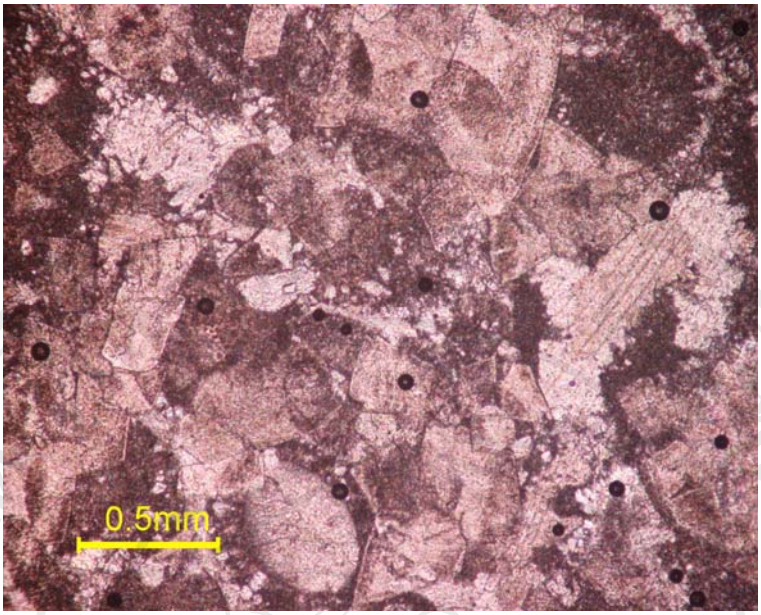


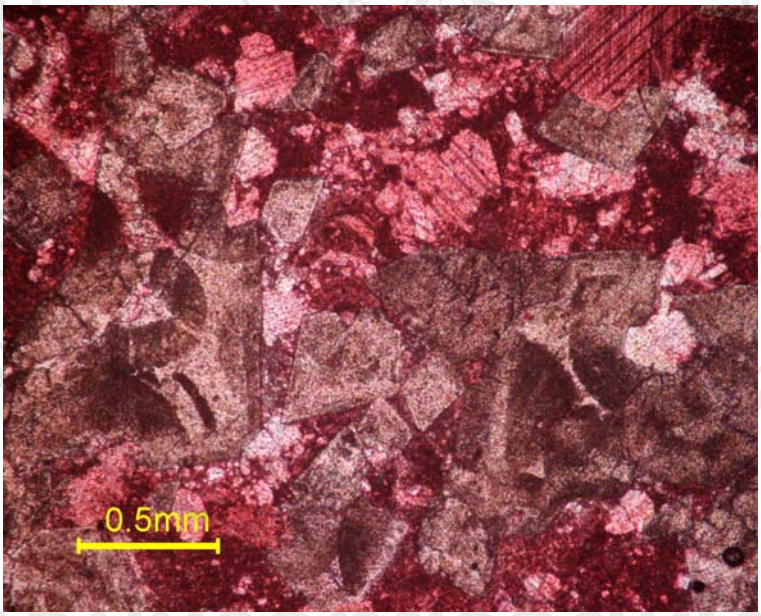
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.75 mm. The cement is drusy spar type. Most of dolomite crystals are coarsely crystalline dolomite with a fair proportion of straight boundaries. The fabric could be described as planar subhedral. A planar fabric where most of the crystals are euhedral, and the intercrystal pore-space has been filled with a post-dolomitisation calcite cement.

E 3/19



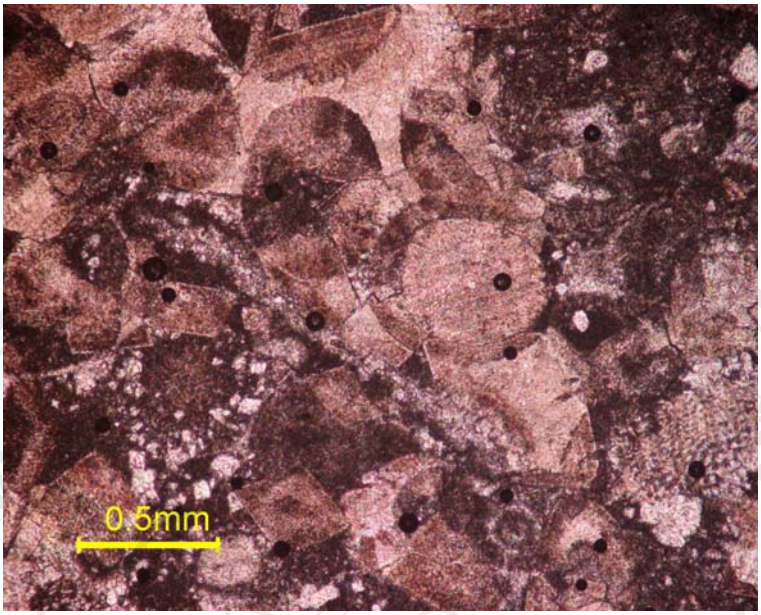


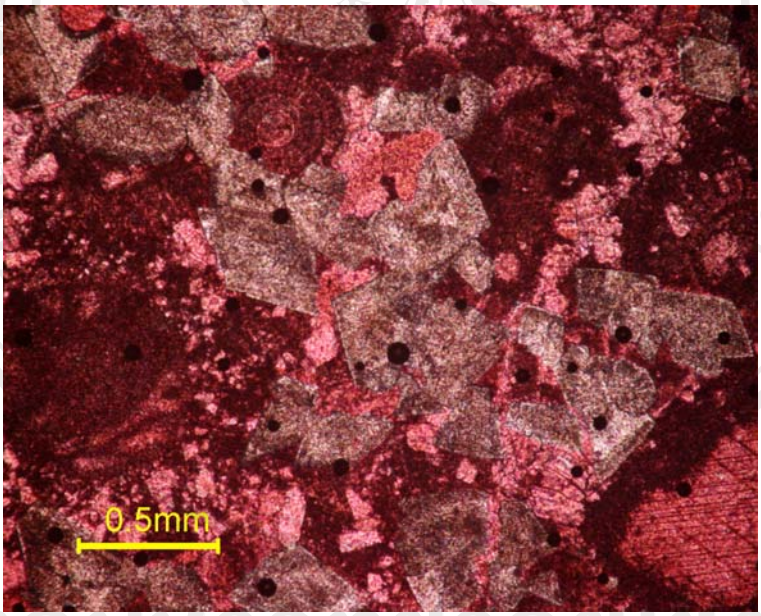
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.625 mm. The bioclasts are smaller forams and shell fragment. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.5 mm. to 0.75 mm. and subhedral to euhedral in shape.

E 3/20



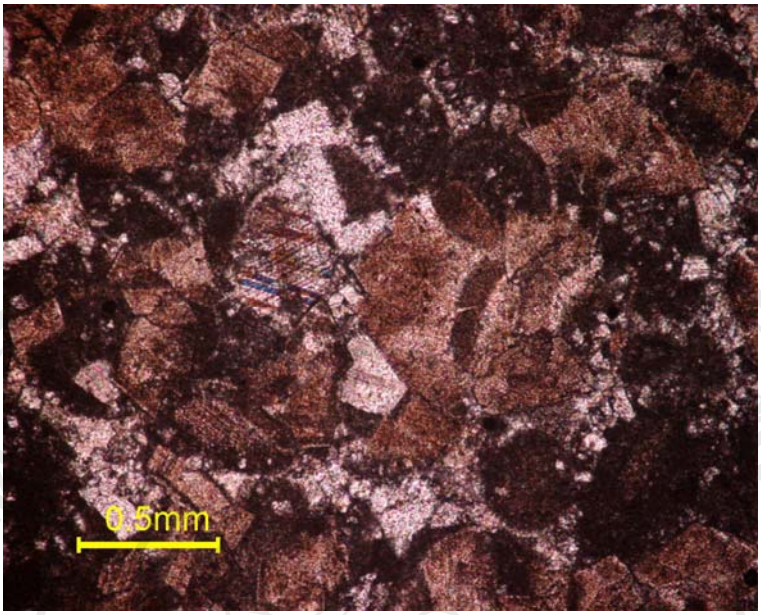


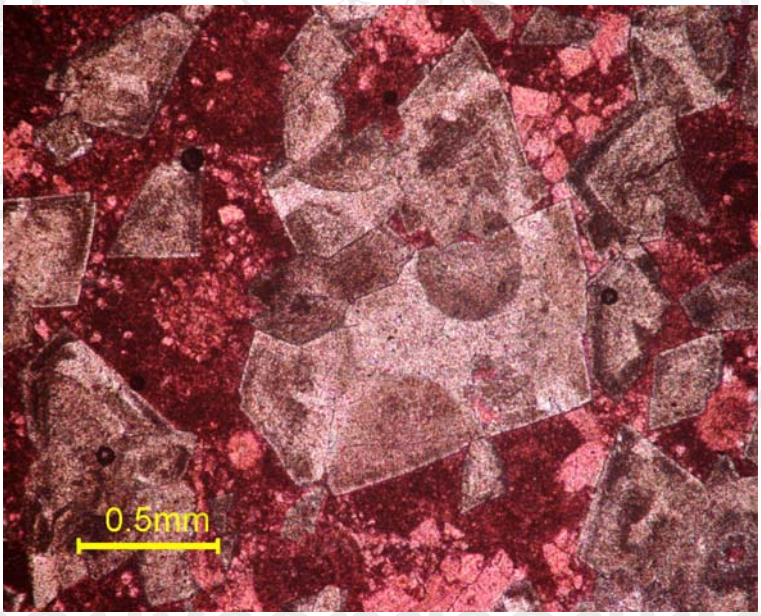
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.375 mm. to 0.65 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.425 mm. to 0.7 mm. and anhedral to subhedral in shape.

E 3/21



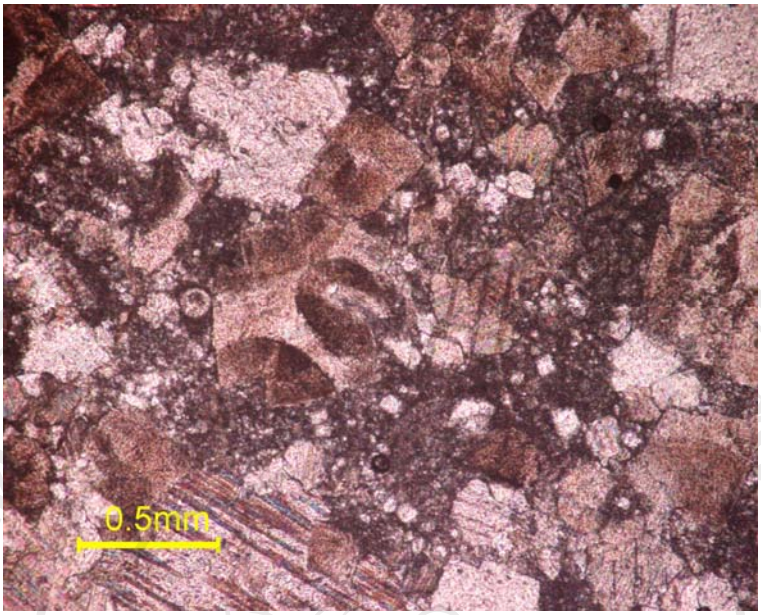


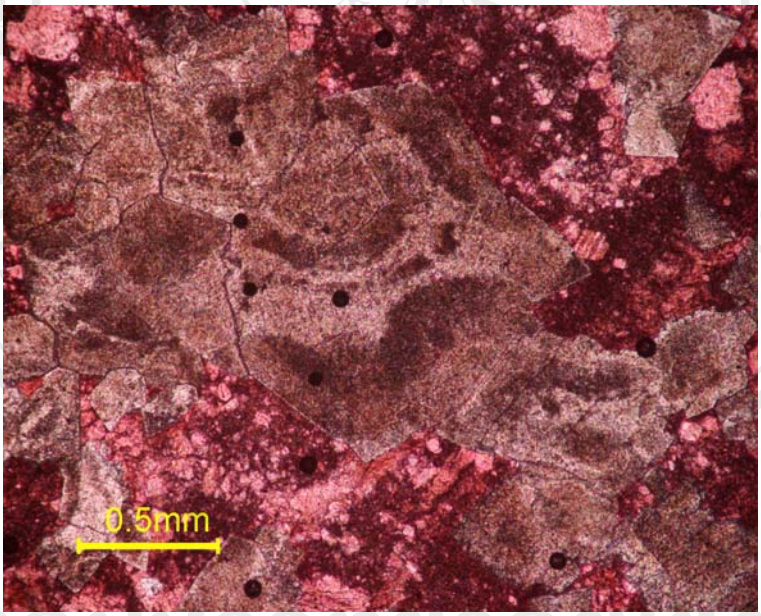
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.5 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.425 mm. to 0.575 mm. and anhedral to subhedral in shape.

E 3/22



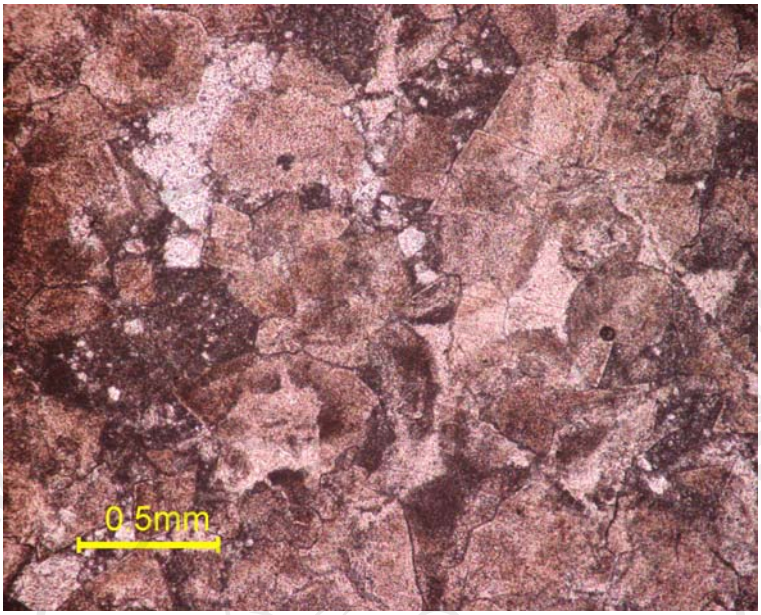


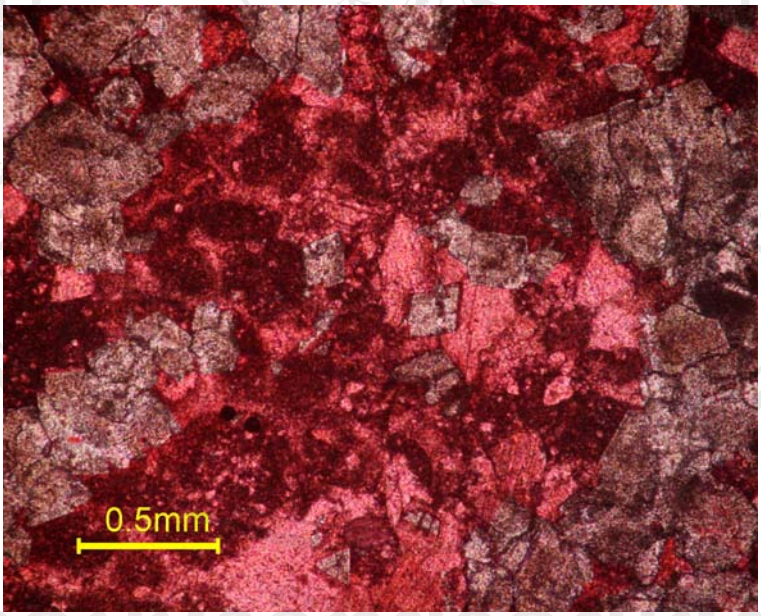
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. Others grains are intraclasts and smaller forams. The diameter of ooid grains are 0.275 mm. to 0.7 mm. The diameter of intraclasts grains are 1.7 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.425 mm. to 0.7 mm. and anhedral to subhedral in shape.

E 3/23



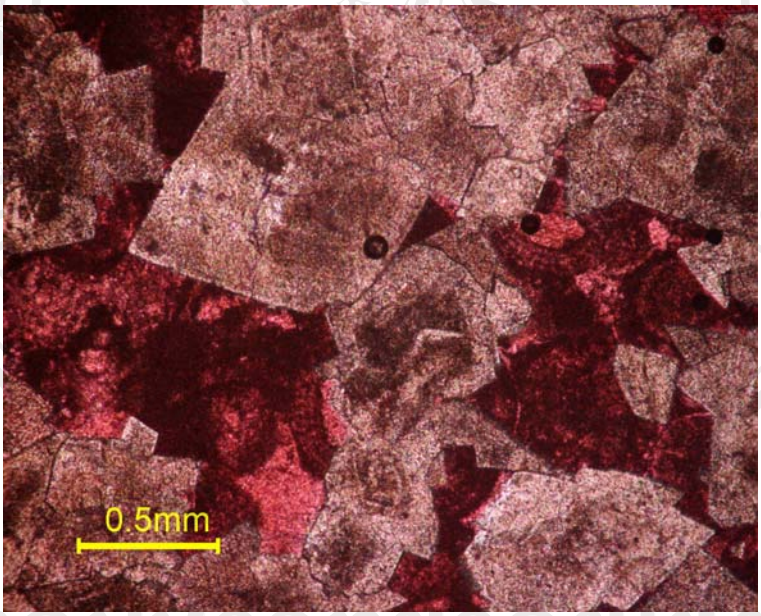


Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.725 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 1.5 mm. and subhedral to euhedral in shape.

E 3/24

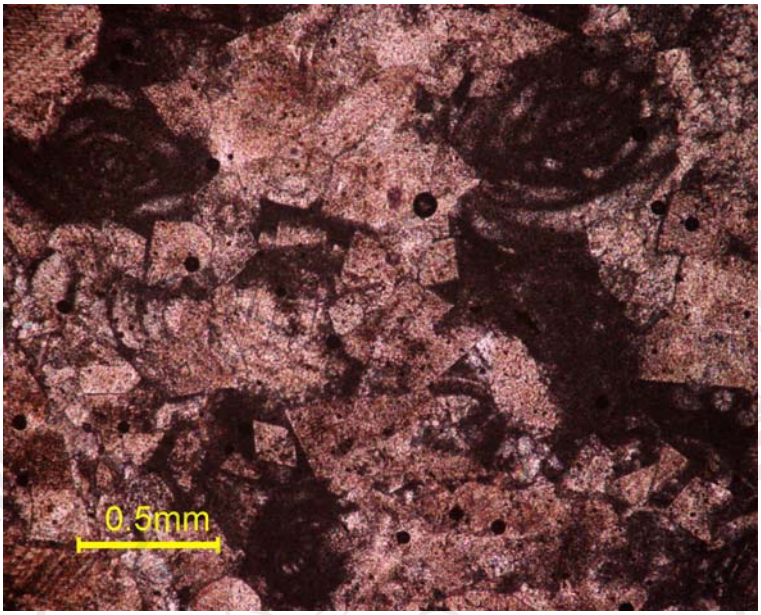


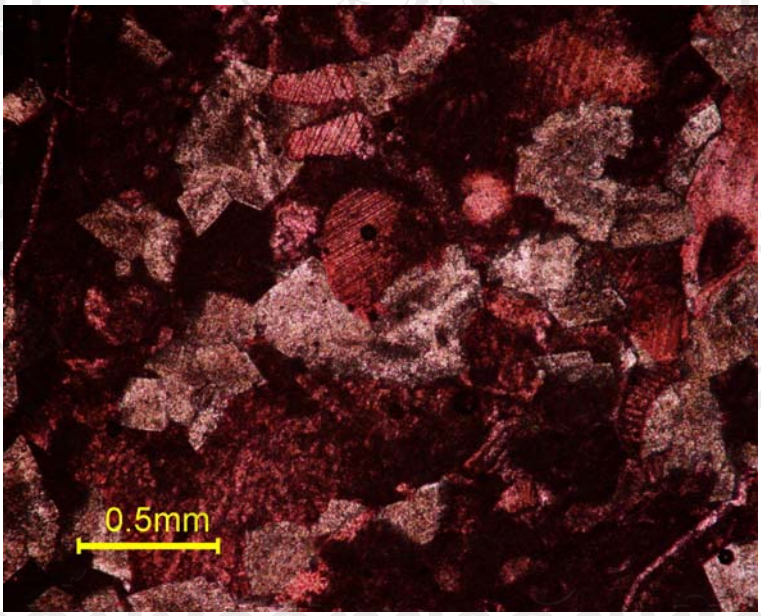
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.25 mm. to 0.5 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.5 mm. to 1.25 mm. and subhedral to euhedral in shape.

E 3/25



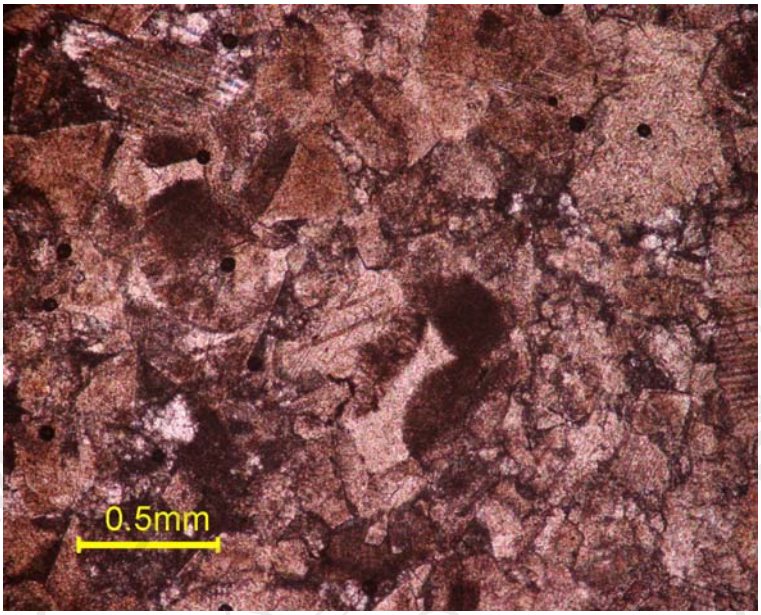


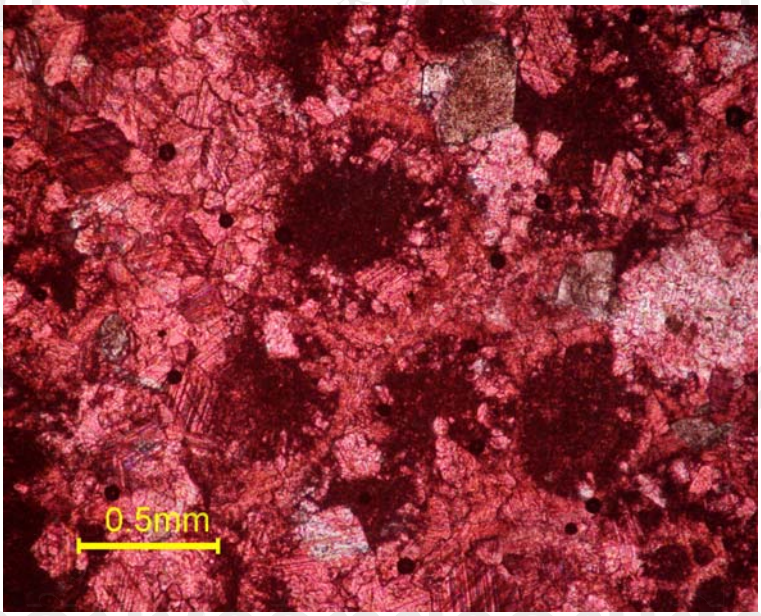
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains, smaller forams and echinoderm plates. The diameter of ooid grains are 0.375 mm. to 0.625 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.325 mm. to 1.5 mm. and subhedral to euhedral in shape.

E 3/26



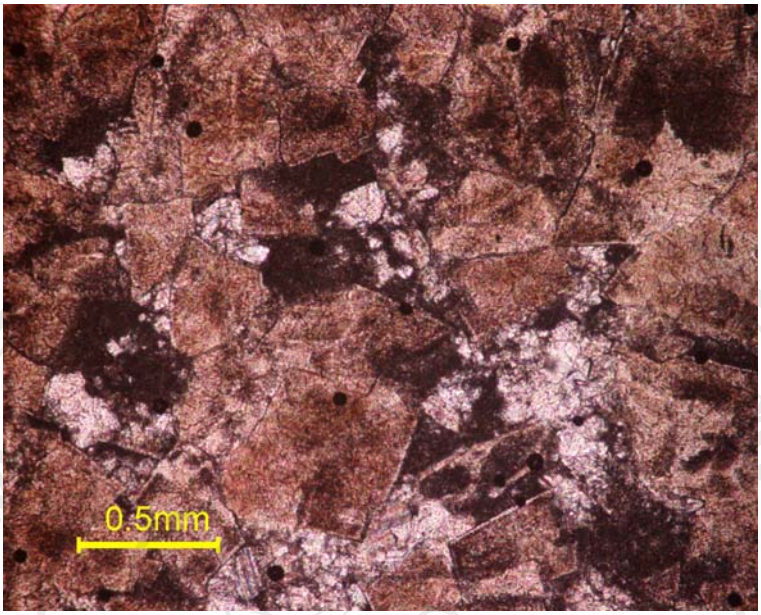


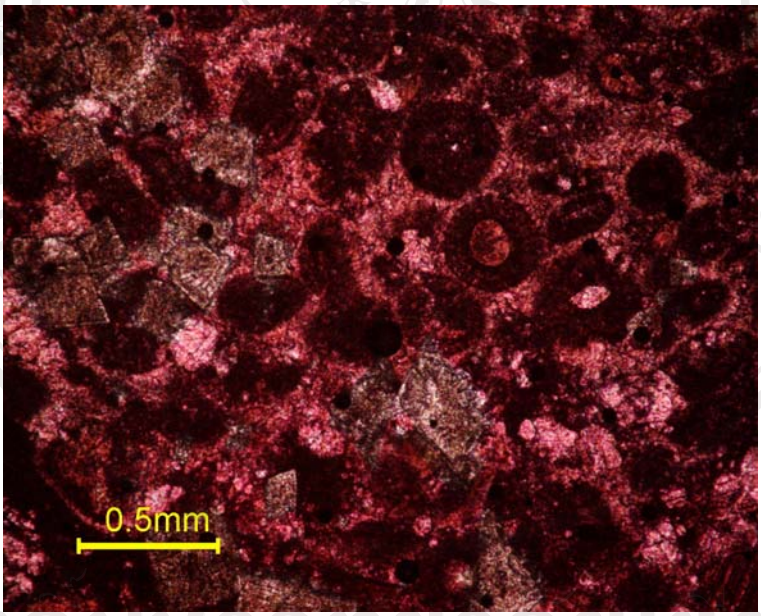
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are about 0.5 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 0.75 mm. and anhedral to subhedral in shape.

E 3/27



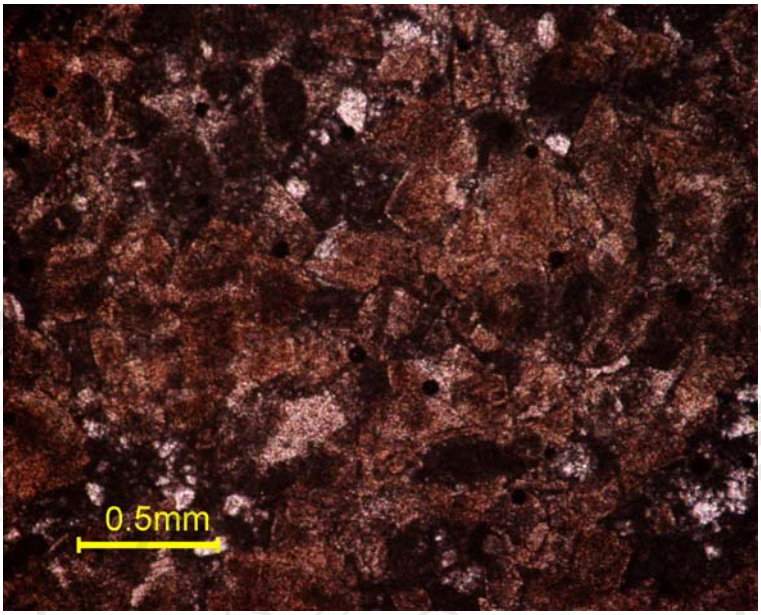


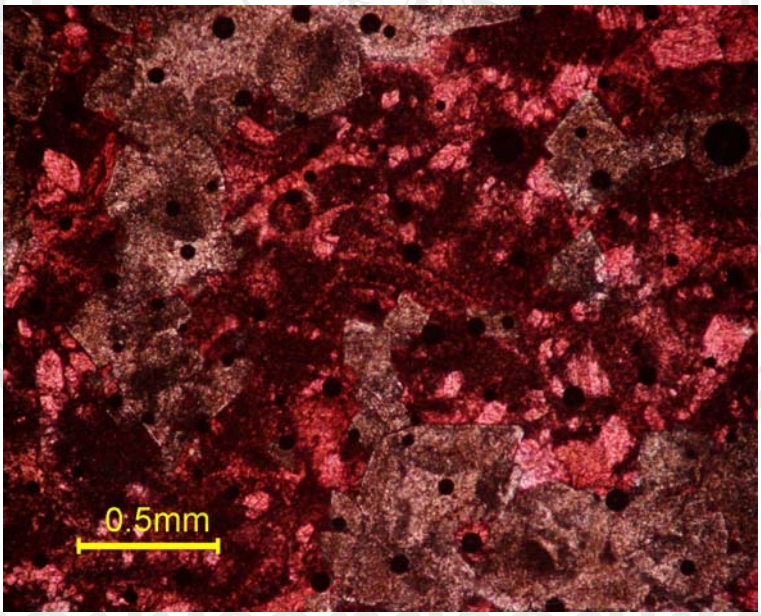
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.225 mm. to 0.425 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 1.5 mm. and subhedral to euhedral in shape.

E 3/28



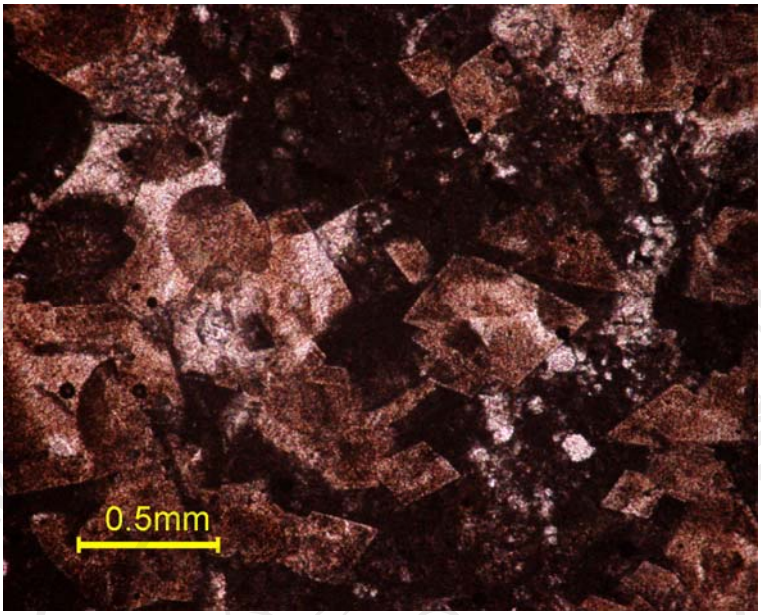


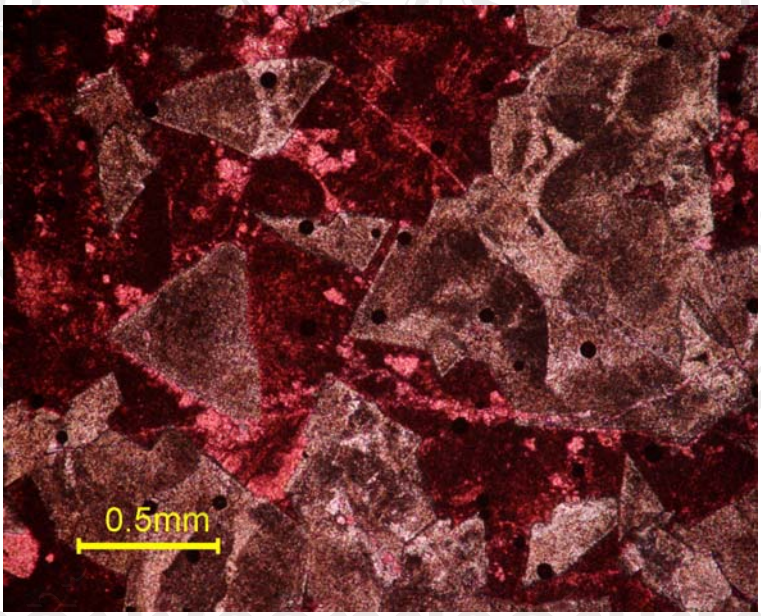
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.425 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.5 mm. to 0.75 mm. and subhedral to euhedral in shape.

E 3/29



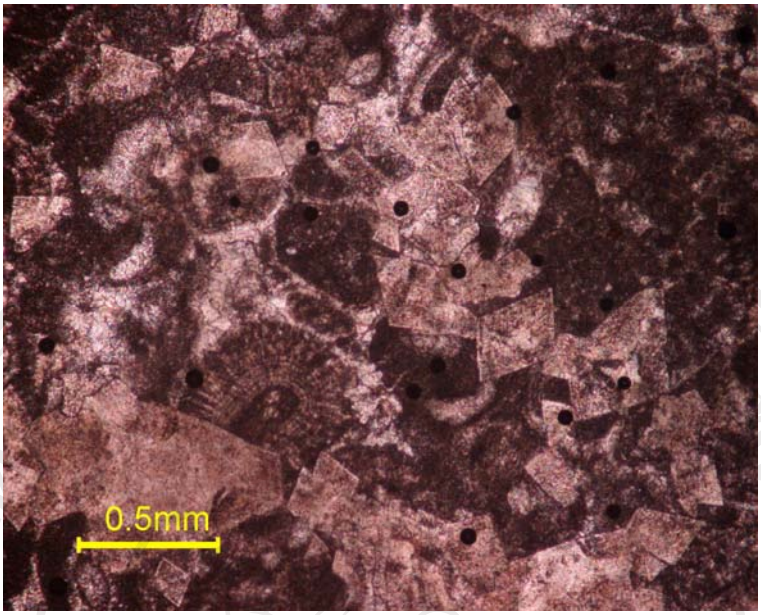


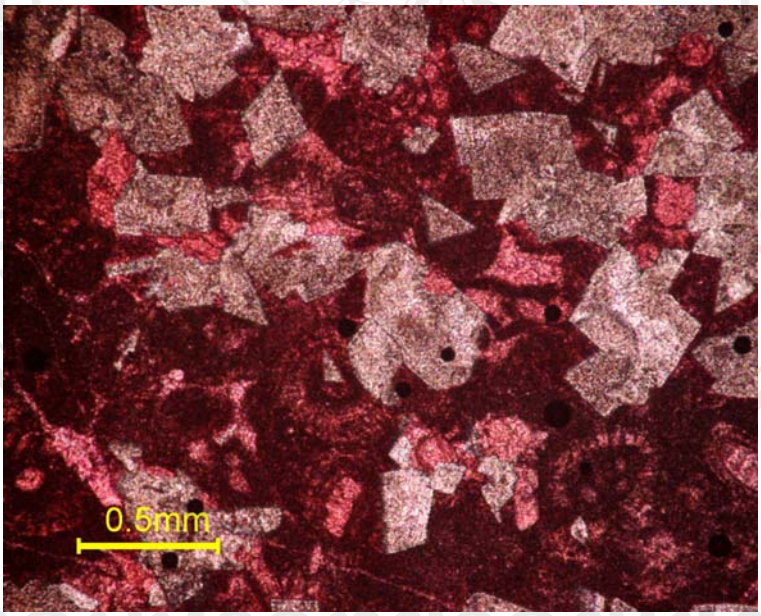
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.55 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.5 mm. to 1.225 mm. and subhedral to euhedral in shape.

E 3/30



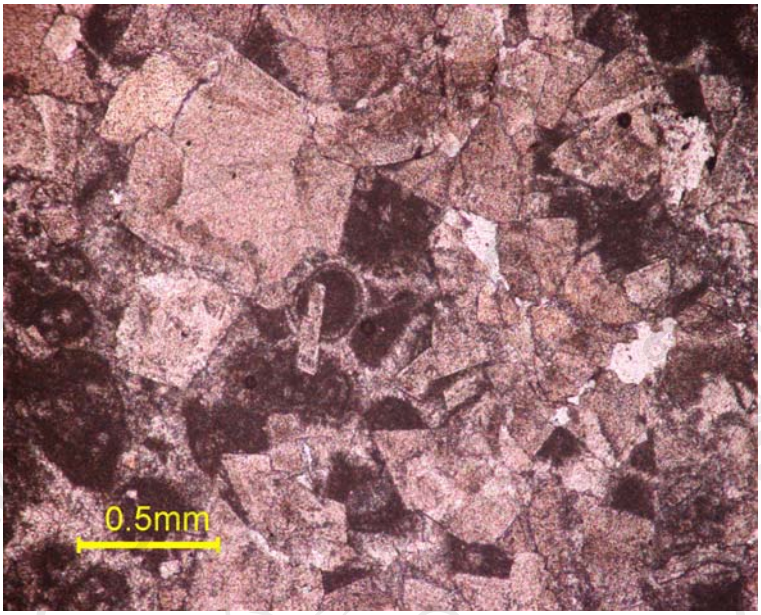


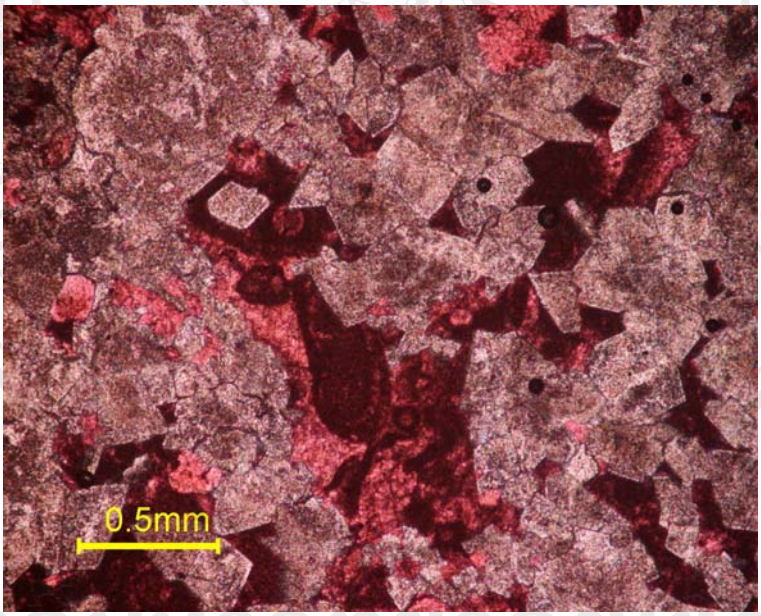
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.3 mm. to 0.625 mm. The cement is drusy spar type, and microspar. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.425 mm. to 0.75 mm. and subhedral to euhedral in shape.

E 3/31



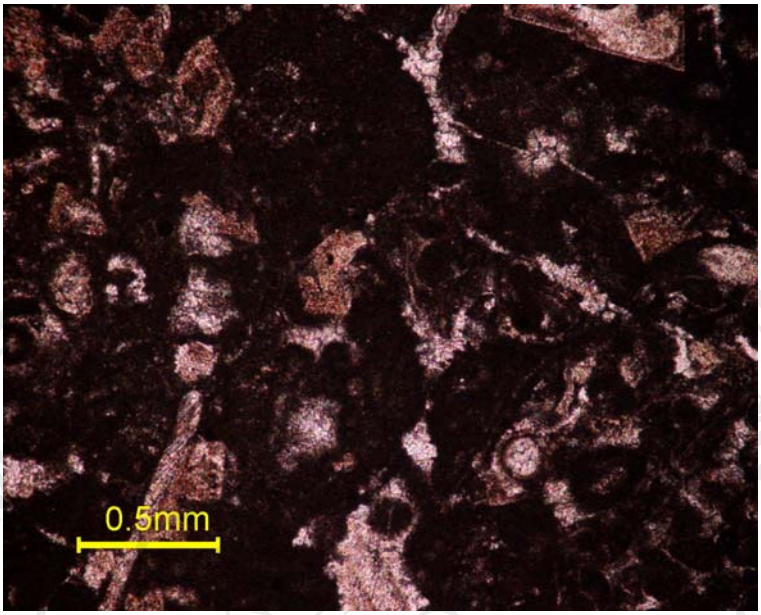


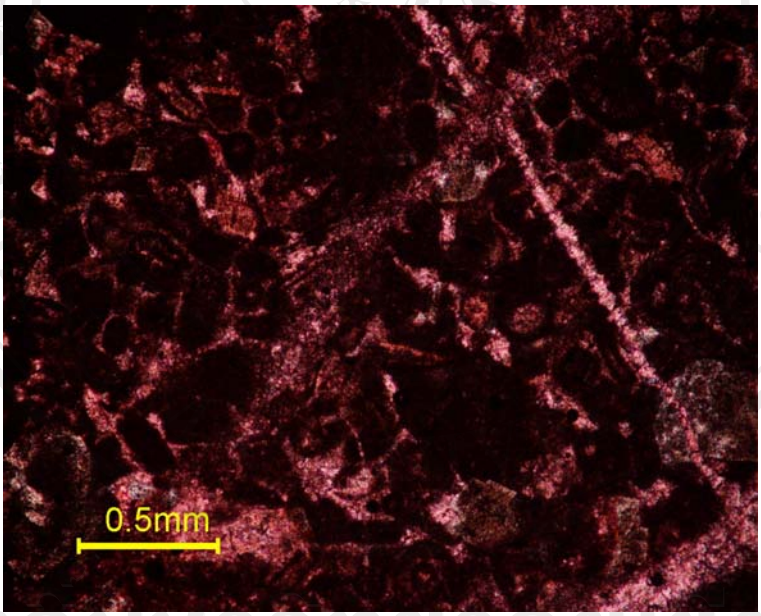
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are 0.25 mm. to 0.325 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.225 mm. to 1.25 mm. and subhedral to euhedral in shape.

E 3/32



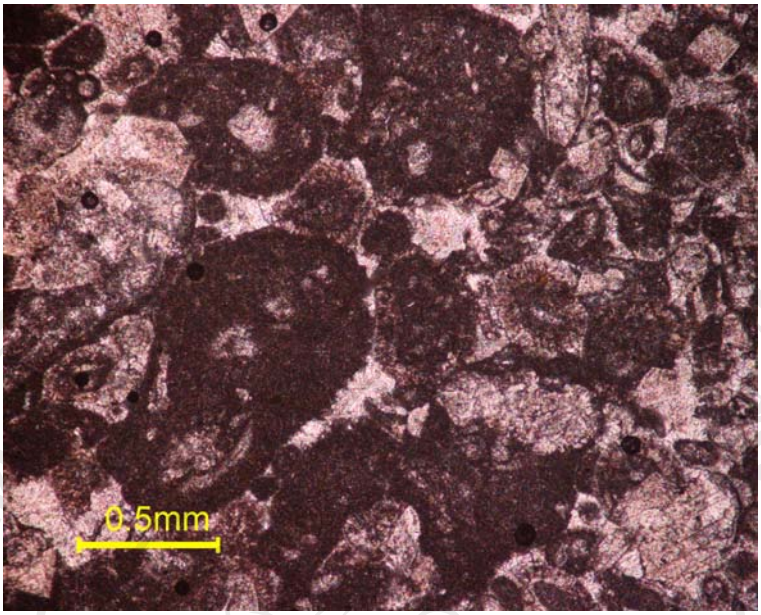


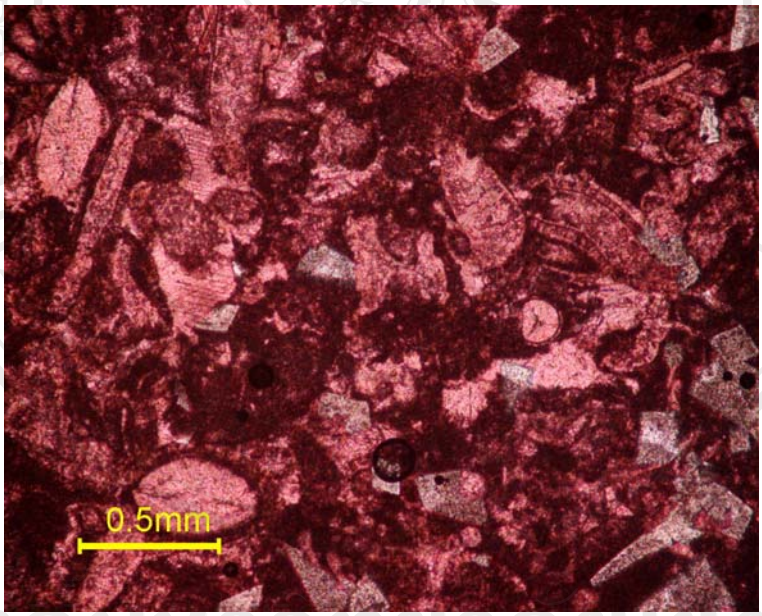
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are small ooid, and intraclast. The bioclasts are small forams and calcisphere. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 40%, the ooid 5%, the intraclasts 5%, and the bioclast 5%. The diameter of peloid grains are 0.15 mm. to 0.175 mm. The diameter of intraclast grains are 0.325 mm. to 0.725 mm. and subround in shape. The diameter of ooid grains are about 0.2 mm. The crystal sizes of dolomite are between 0.25 mm. to 0.625 mm. and subhedral to euhedral in shape.

E 3/33



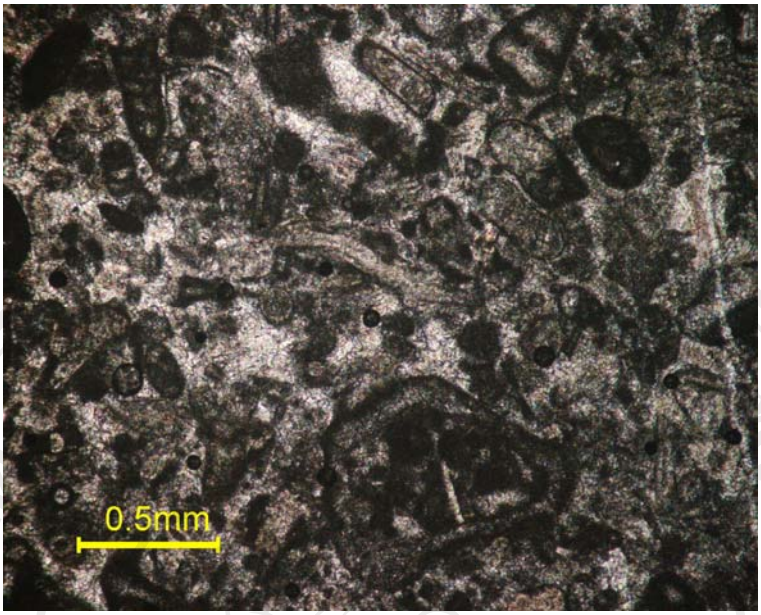


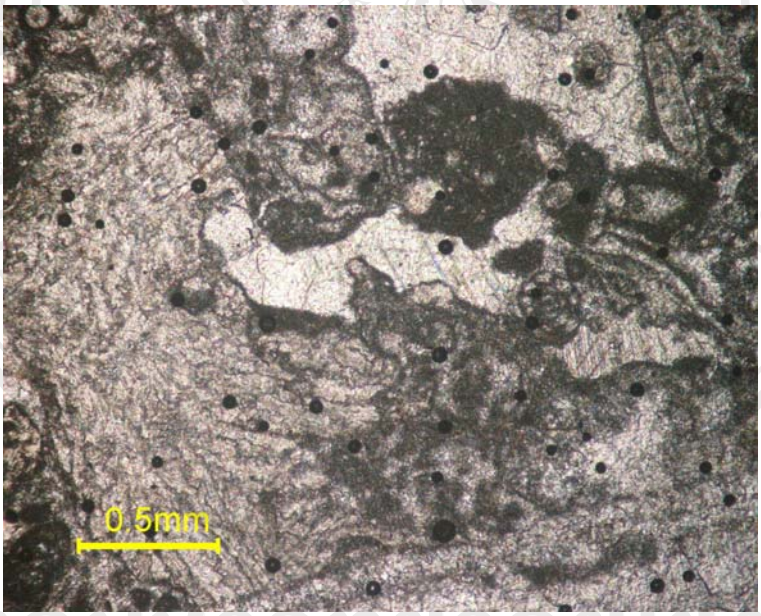
Description

Pelsparite microfacies.

Peloid grains dominate, another grains are ooid, intraclast. The bioclasts are smaller forams and ostracod. The petrography had shown that the allochem 50%, the micrite 0%, the sparite 50%, and the porosity 0%. The allochem are composed of peloid 40%, the ooid 5%, the intraclasts 3%, and the bioclast 2%. The diameter of peloid grains are 0.15 mm. to 0.2 mm. The diameter of intraclast grains are 0.425 mm. to 1.25 mm. and subround in shape. The diameter of ooid grains are about 0.3 mm. to 0.425 mm. The crystal sizes of dolomite are between 0.25 mm. to 0.725 mm. and subhedral to euhedral in shape.

E 3/34



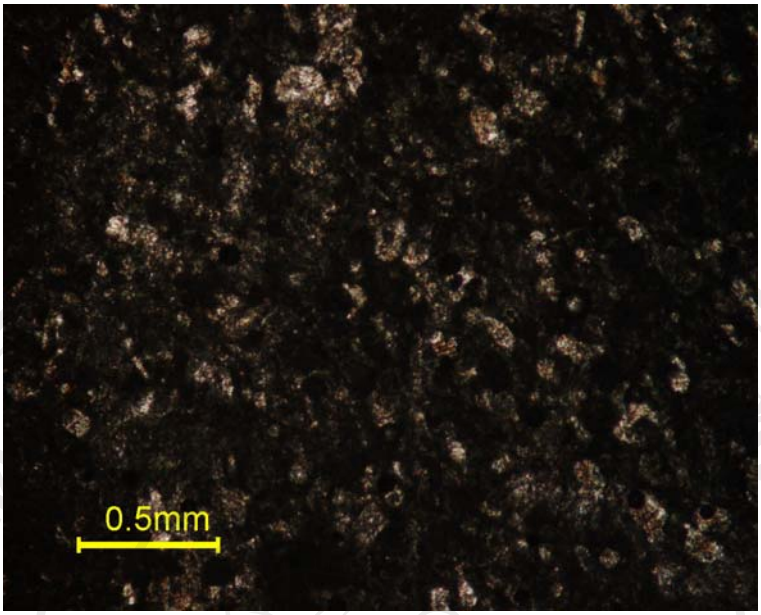


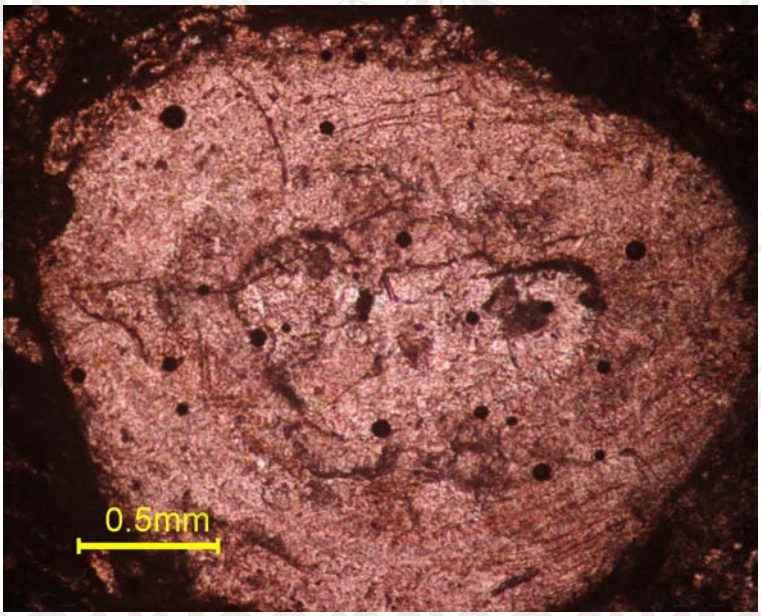
Description

Pelsparite microfacies.

Peloid grains dominate, some intraclast grains are found. The bioclasts are small forams, calcisphere and burrow tube. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 50%, the intraclasts 1%, and the bioclast 4%. The diameter of the tube is 2.175 mm. The diameter of peloid grains are 0.15 mm. to 0.2 mm. The diameter of intraclast grains are 0.325 mm. to 1.625 mm. and subround in shape.

E 3/35



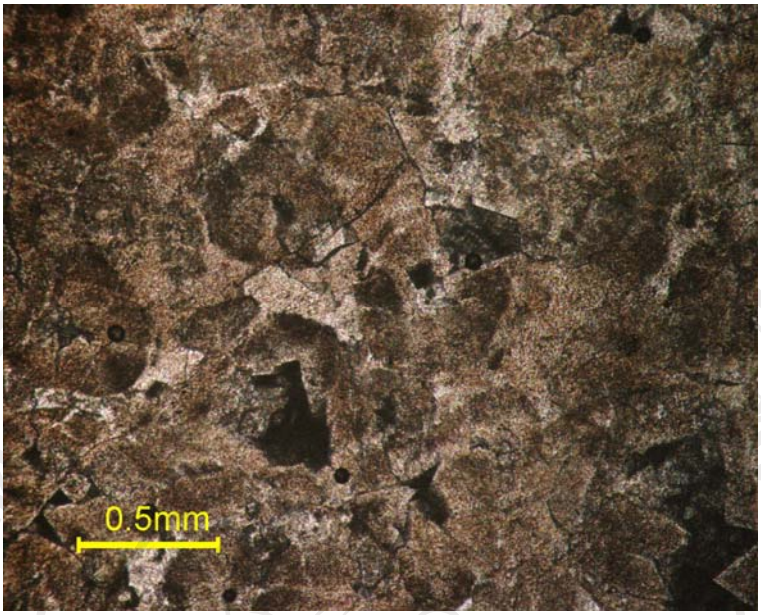


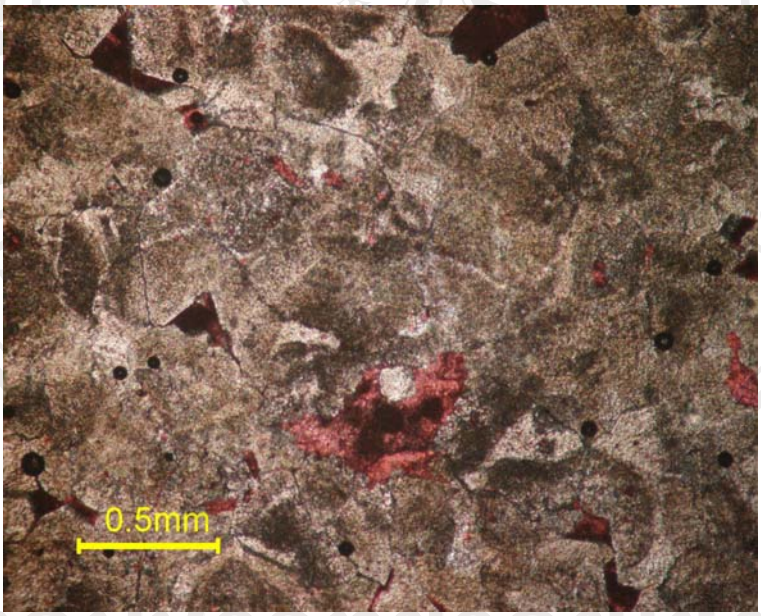
Description

Biomicrite microfacies.

Fragments of diverse organisms which have been texturally homogenized through bioturbation. The petrography had shown that the allochem 40%, the micrite 60%, the sparite 0%, and the porosity 0%. The allochem are bioclasts. The bioclastic grains are coral fragment and burrow tube. The diameter of burrow tube is 2.25 mm.

3/36



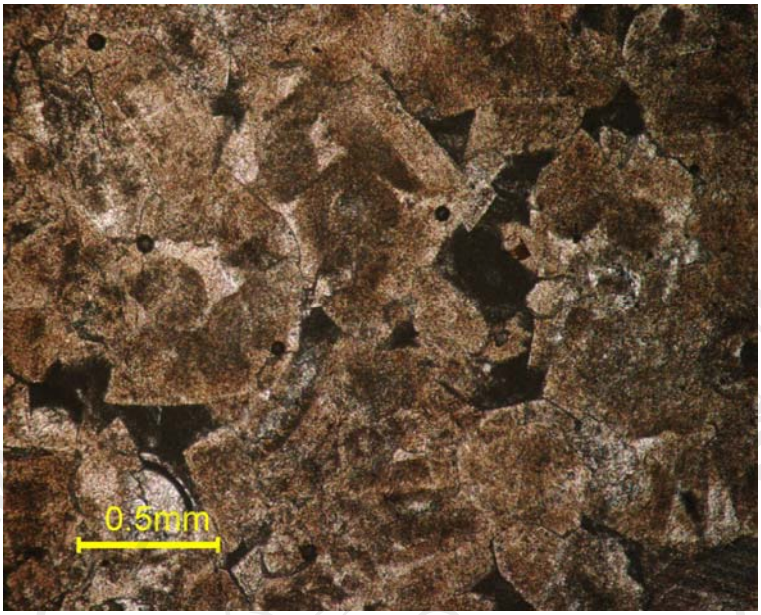


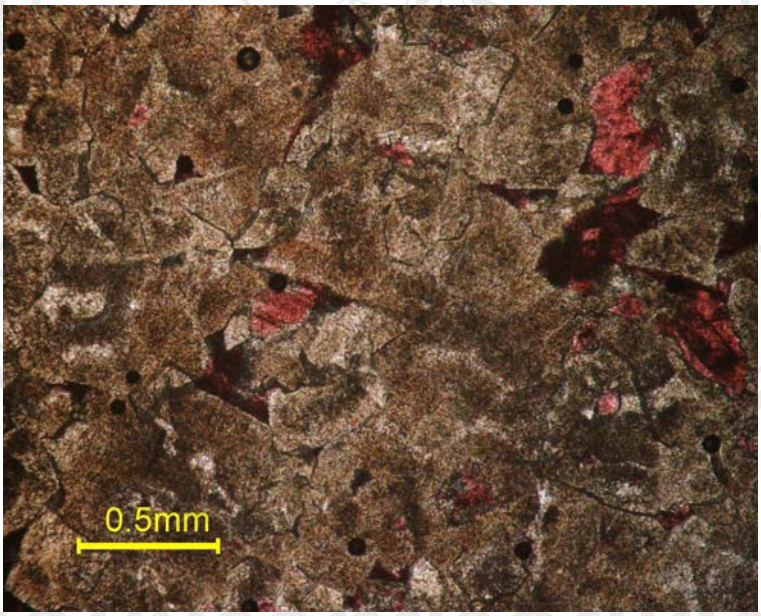
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are about 0.5 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.525 mm. to 1.25 mm. and anhedral to subhedral in shape.

E 3/37



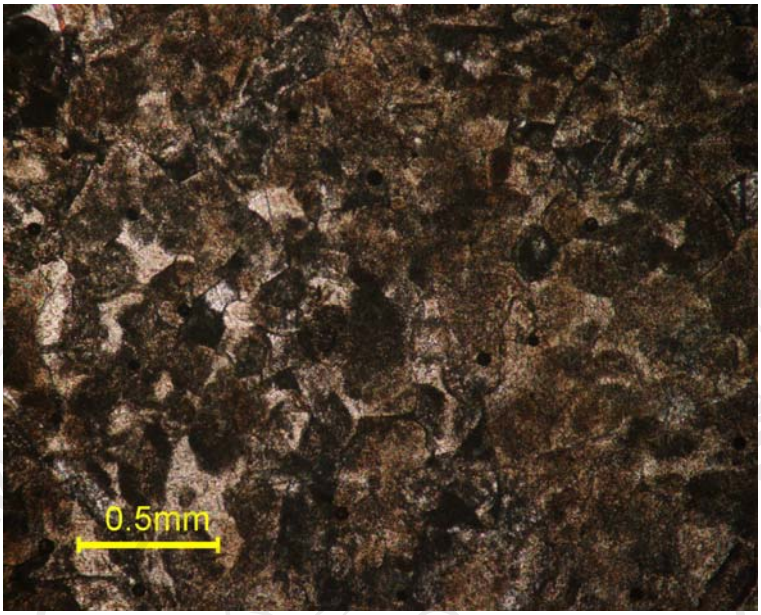


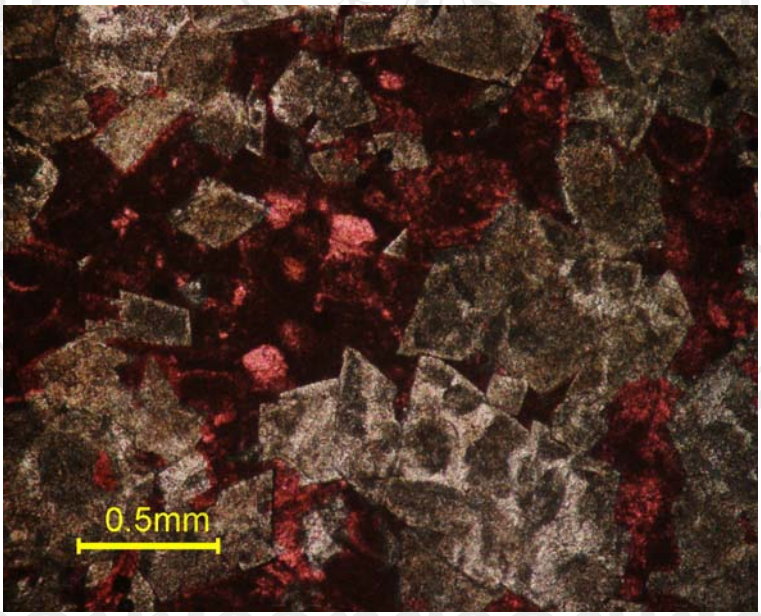
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are about 0.25 mm. to 0.425 mm. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.325 mm. to 1.25 mm. and anhedral to subhedral in shape.

E 3/38



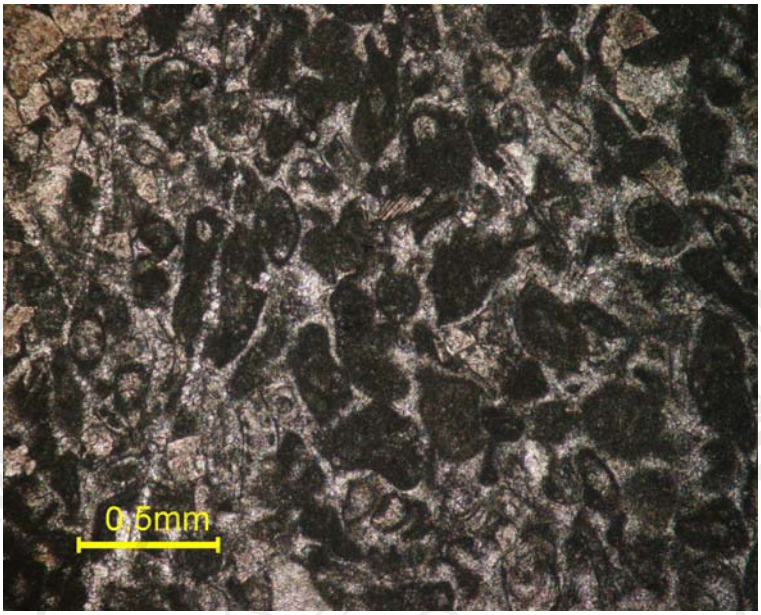


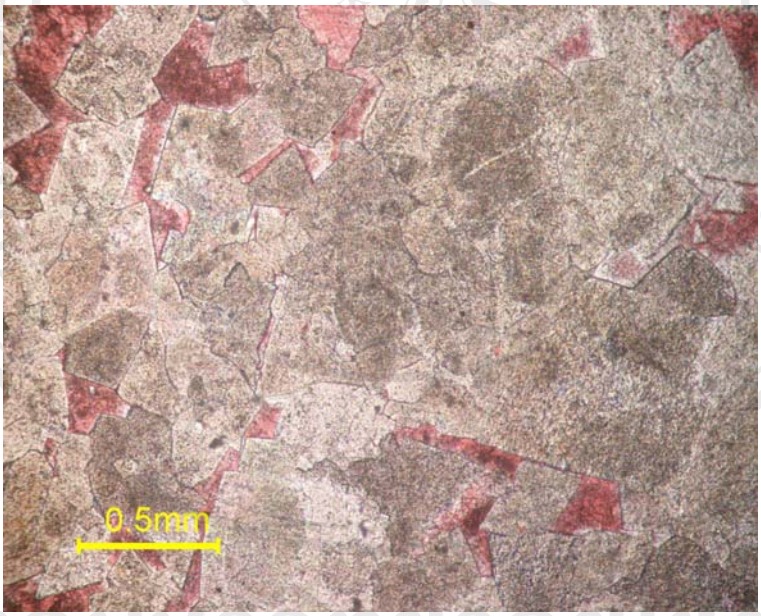
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are about 0.3 mm. to 0.525 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.325 mm. to 1.425 mm. and anhedral to subhedral in shape.

E 3/39



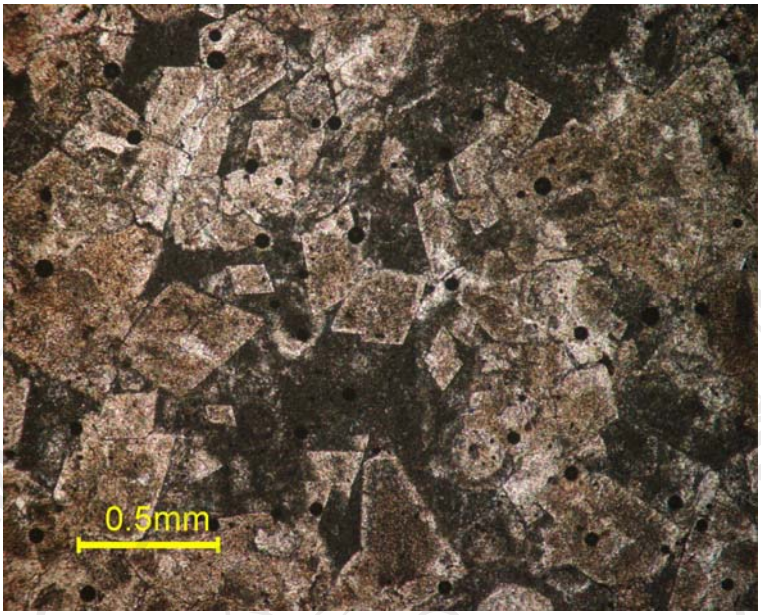


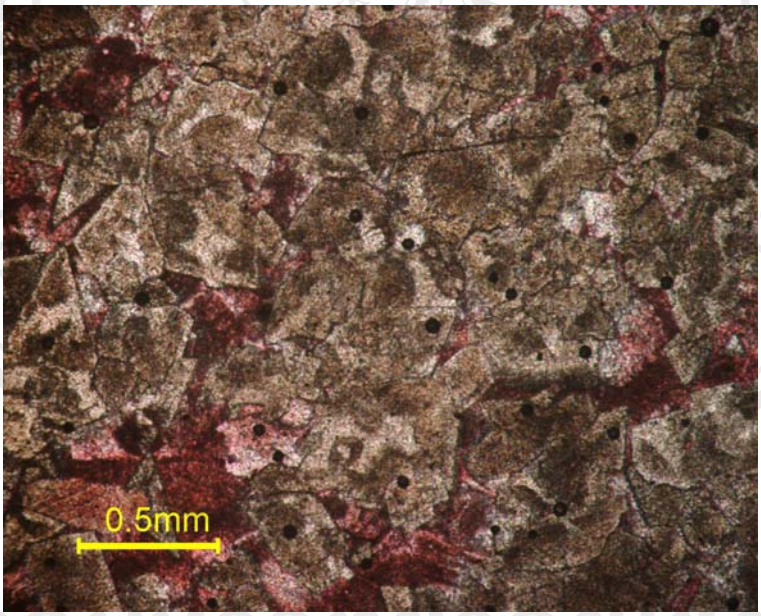
Description

Pelsparite microfacies.

The petrography shows dolomitisation but still has an outline of peloid grains. The peloid grains dominate, another grain are ooid, intraclast. The bioclasts are smaller forams, calcisphere, and ostracod. The diameter of peloid grains are 0.15 mm. to 0.2 mm. The diameter of intraclast grains are 0.4 mm. to 0.525 mm. and subround in shape. The diameter of ooid grains are about 0.25 mm. to 0.4 mm. The diameter of ooid burrow tube is about 2.25 mm. The crystal sizes of dolomite are between 0.5 mm. to 1.25 mm. and anhedral to subhedral in shape.

E 3/40



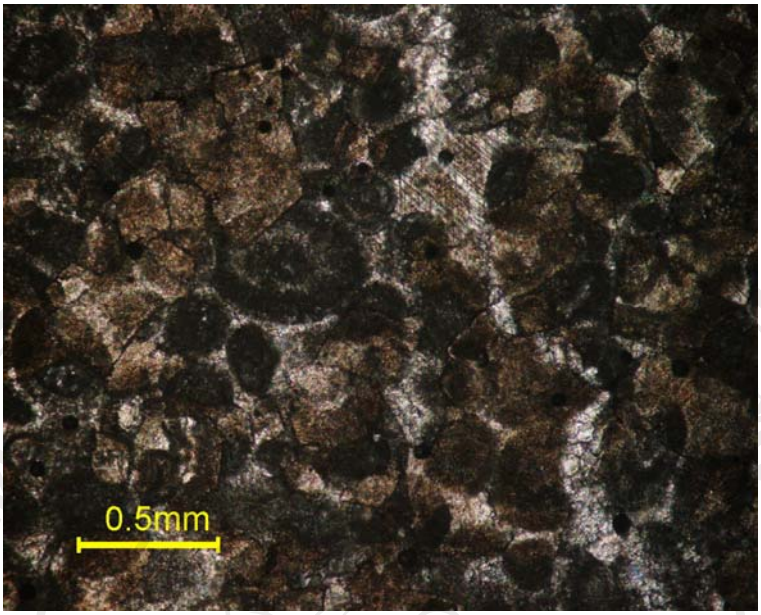


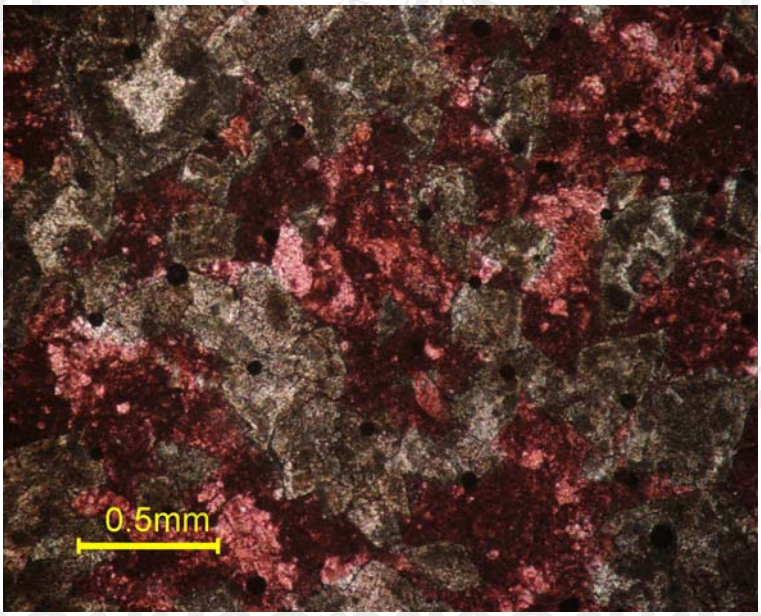
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The bioclasts are echinoderm and shell fragment. The diameter of ooid grains are about 0.225 mm. to 0.525 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.125 mm. to 0.625 mm. and anhedral to subhedral in shape.

E 3/41



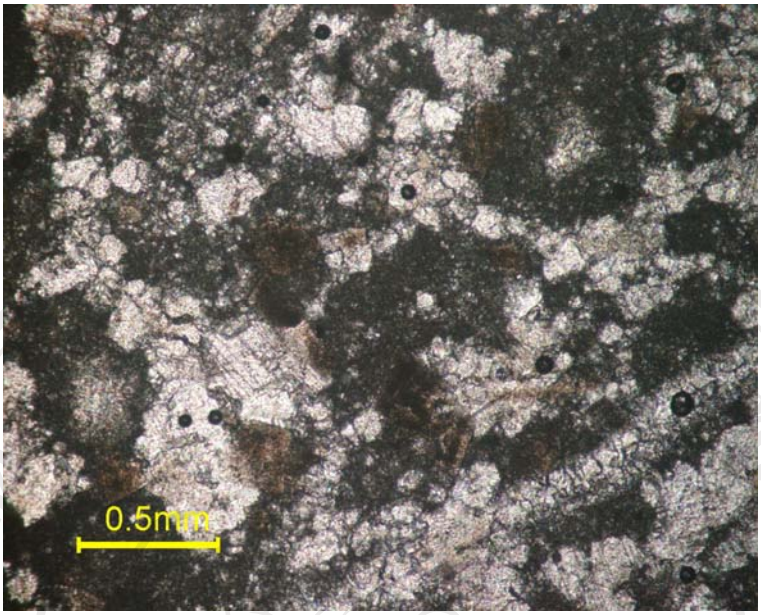


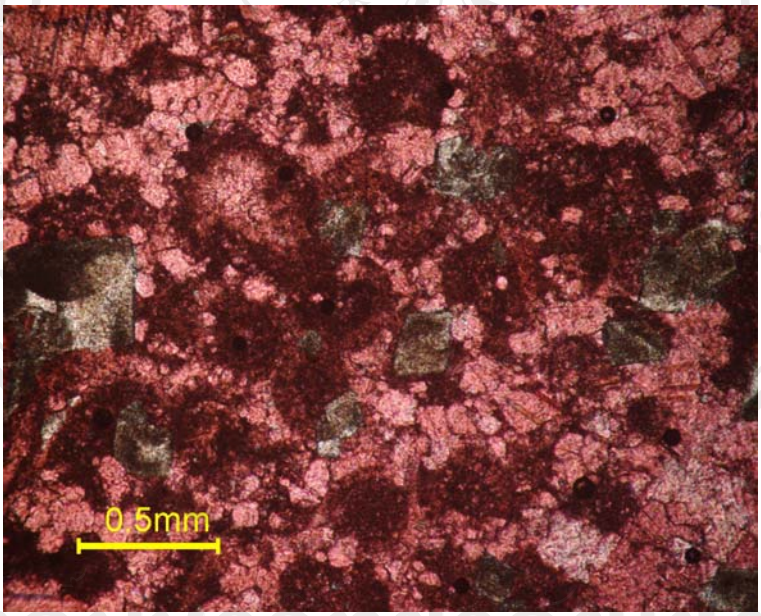
Description

Oosparite microfacies.

The petrography shows most of grains are ooids. The bioclasts are echinoderm and shell fragment. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 50%, and the bioclast 10%. The diameter of ooid grains are about 0.35 mm. to 0.625 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.3 mm. to 0.725 mm. and subhedral to euhedral in shape.

E 3/42



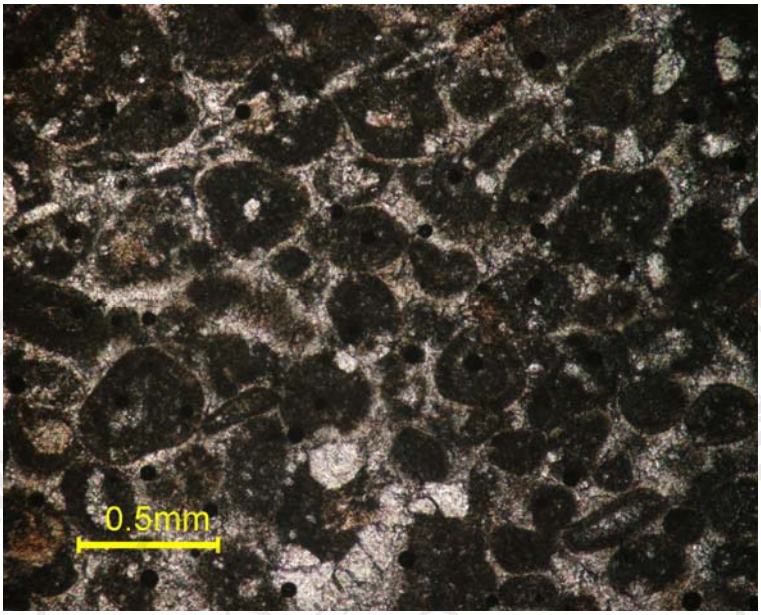


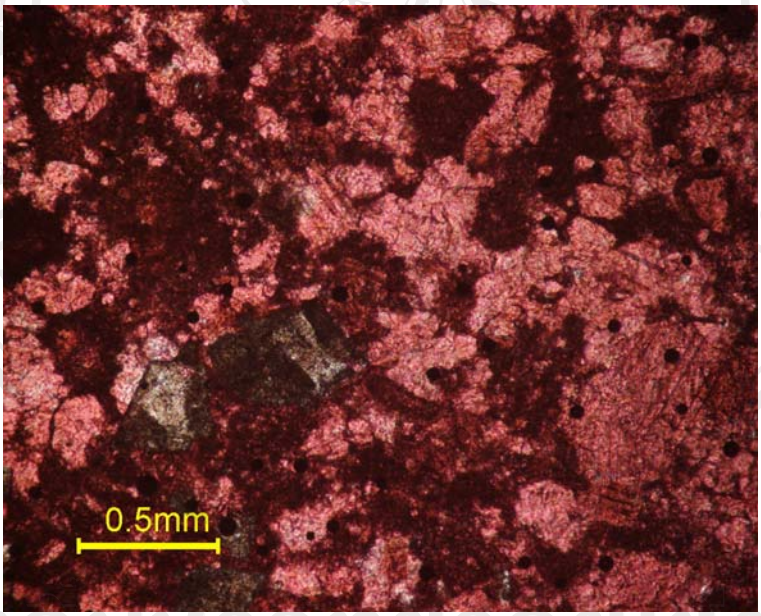
Description

Oosparite microfacies.

The petrography shows many microspars but still has an outline of ooid grains. The bioclasts are small forams. The diameter of ooid grains are about 0.225 mm. to 0.425 mm. The cement is microspar type. Some dolomite crystals are found. The dolomite crystals are inequicrystalline. The crystal sizes of dolomite are between 0.1 mm. to 0.4 mm. and anhedral to euhedral in shape.

E 3/43



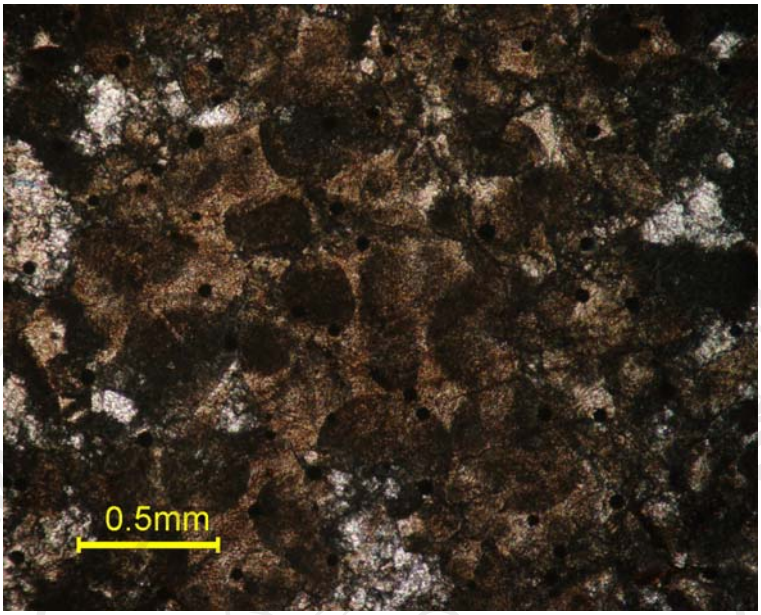


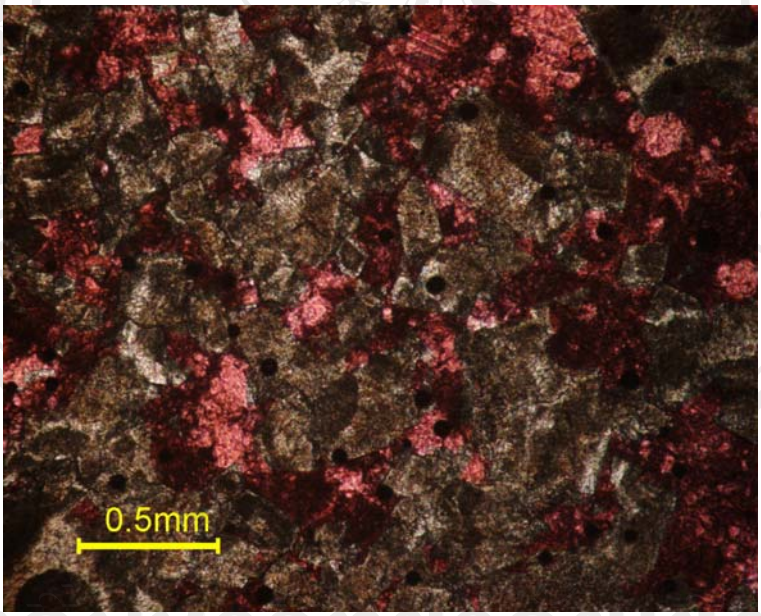
Description

Oosparite microfacies.

The petrography shows most of microspar but still has an outline of ooid grains. The diameter of ooid grains are about 0.125 mm. to 0.45 mm. The cement is microspar type. Some dolomite crystals are found. The dolomite crystals are inequicrystalline. The crystal sizes of dolomite are between 0.3 mm. to 0.525 mm. and subhedral to euhedral in shape.

E 3/44



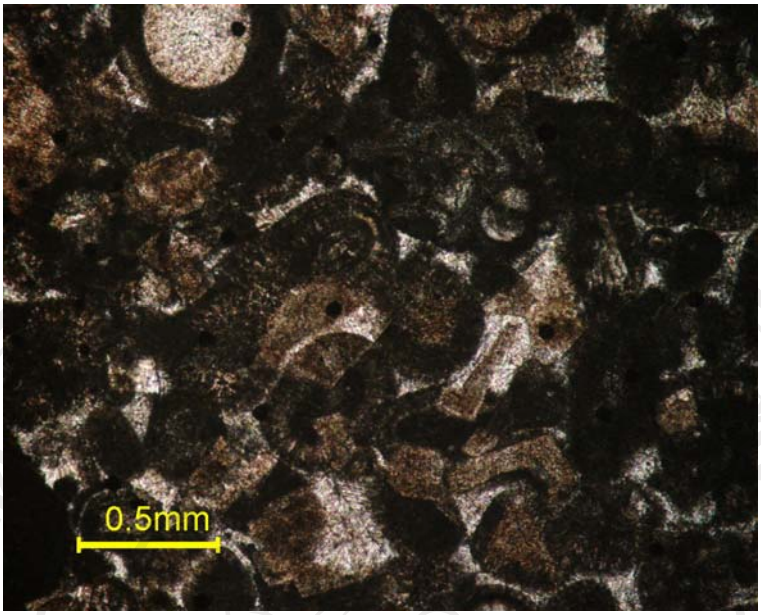


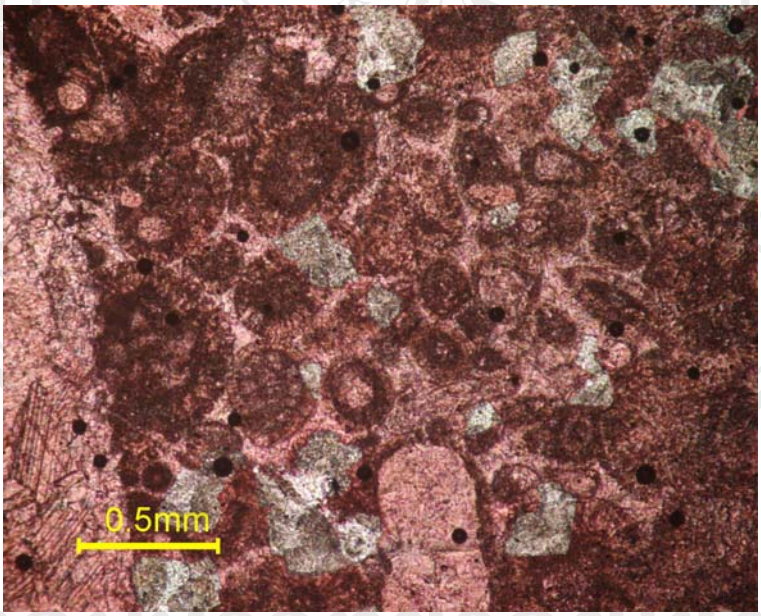
Description

Oosparite microfacies.

The petrography shows dolomitisation but still has an outline of ooid grains. The diameter of ooid grains are about 0.275 mm. to 0.525 mm. The cement is microspar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are equicrystal in shape. The crystal sizes of dolomite are between 0.125 mm. to 0.325 mm. and anhedral to euhedral in shape.

E 3/45



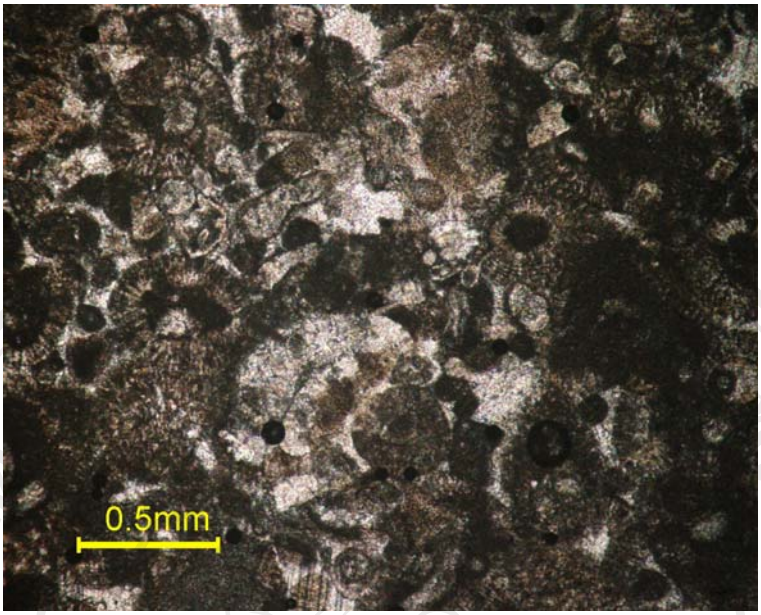


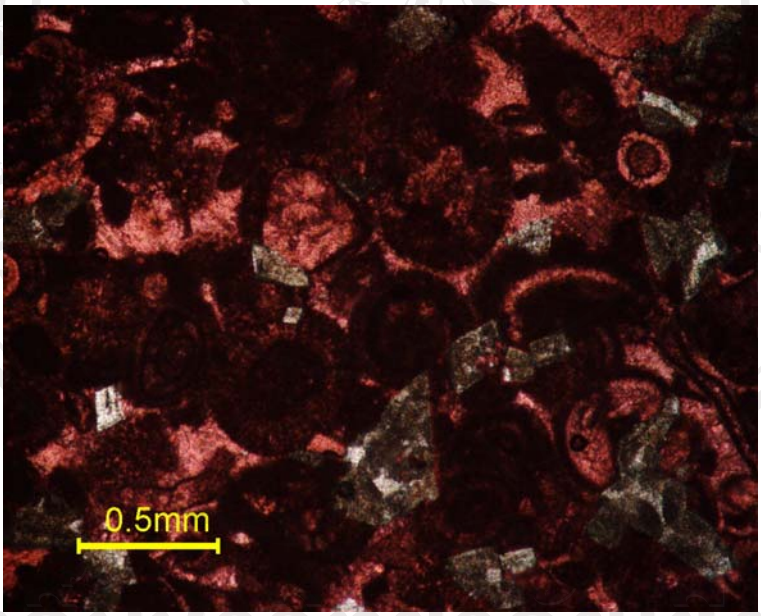
Description

Bimodal-oosparite microfacies.

The petrography shows many ooid grains, some peloid and intraclasts. The bioclast is small forams. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 40%, the peloid 5%, the intraclasts 5%, and the bioclast 10%. The diameter of ooid grains are about 0.225 mm. to 0.525 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystal sizes of dolomite are between 0.3 mm. to 0.425 mm. and anhedral to subhedral in shape.

E 3/46



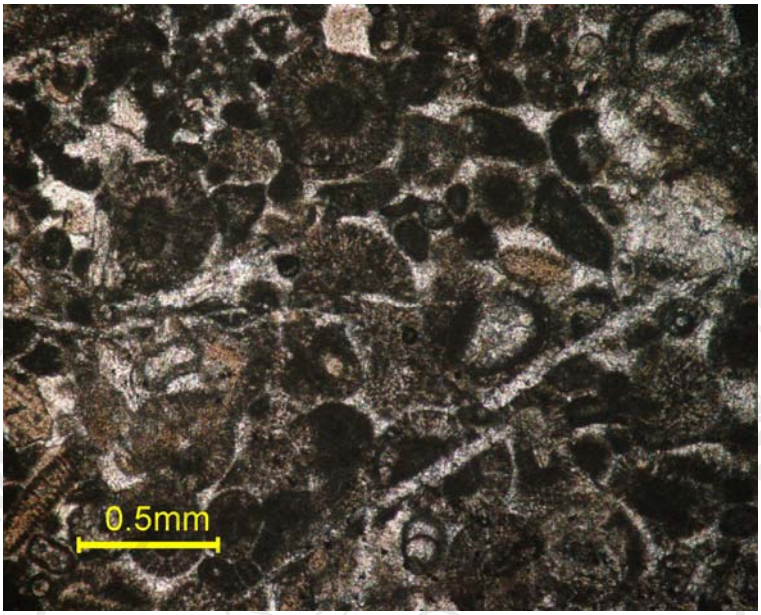


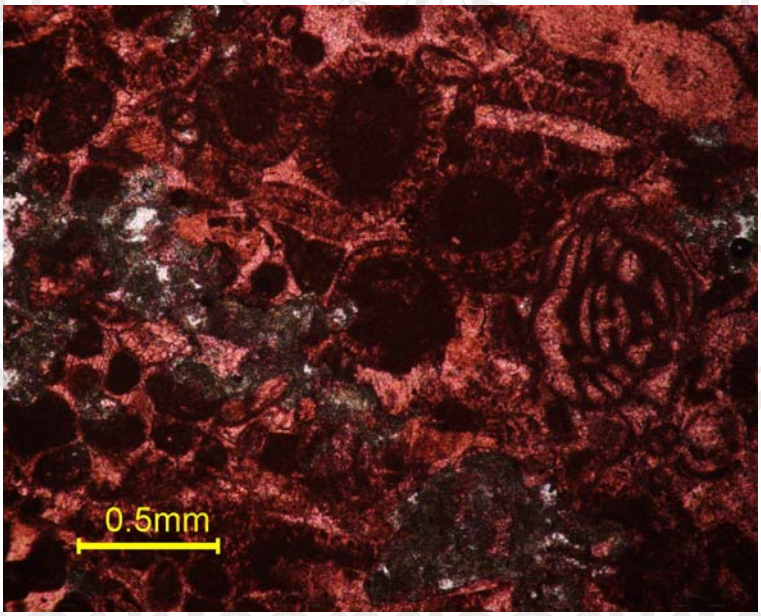
Description

Bimodal-oosparite microfacies.

Ooid grains dominated, but found some peloid grains in composition. The bioclasts are small foram, echinoderm plate, and shell fragment. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 40%, the peloid 5%, the intraclasts 5%, and the bioclast 10%. The diameter of ooid grains are 0.225 mm. to 0.45 mm. Most of ooids are carbonate mud nucleus, but some are foraminifera nucleus, and ostracod nucleus. The diameter of peloid grains are 0.125 mm. to 0.15 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The crystal sizes of dolomite are between 0.25 mm. to 0.5 mm. and subhedral to anhedral in shape.

E 3/47



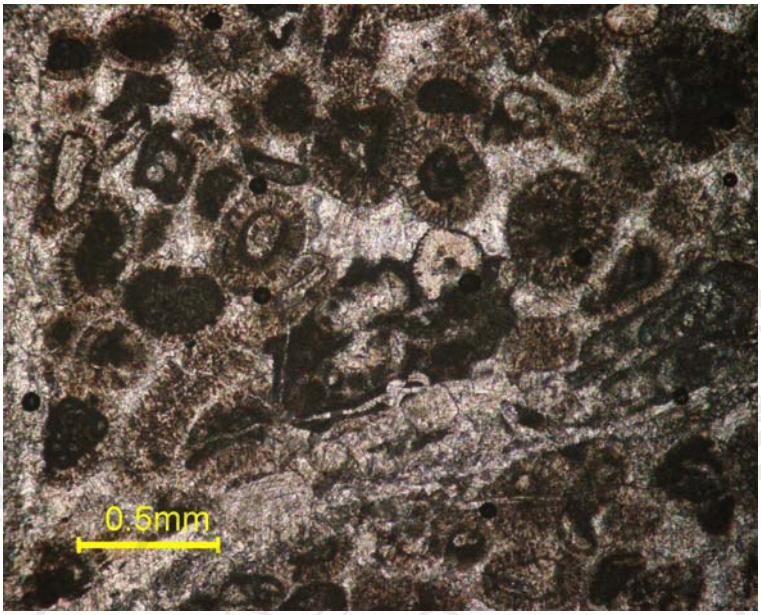


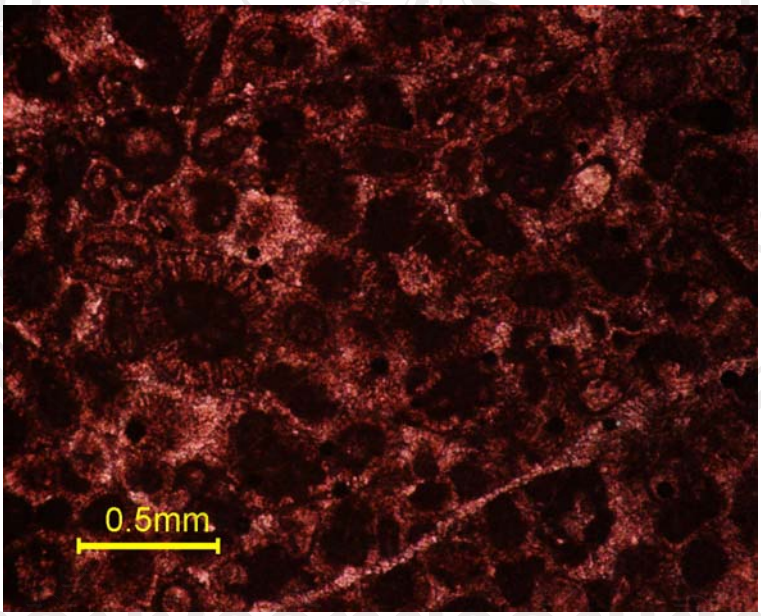
Description

Bimodal-oosparite microfacies.

Ooid grains dominated, but found some peloid grains. The bioclasts are small forams. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 50%, the peloid 5%, the intraclasts 2%, and the bioclast 3%. The diameter of ooid grains are 0.225 mm. to 0.725 mm. Most of ooids are carbonate mud nucleus, but some are foraminifera nucleus. The diameter of peloid grains are 0.125 mm. to 0.15 mm. The cement is drusy spar type. Some dolomite crystals are found and anhedral in shape. The crystal sizes of dolomite are between 0.25 mm. to 0.45 mm. and subhedral to anhedral in shape.

E 3/48



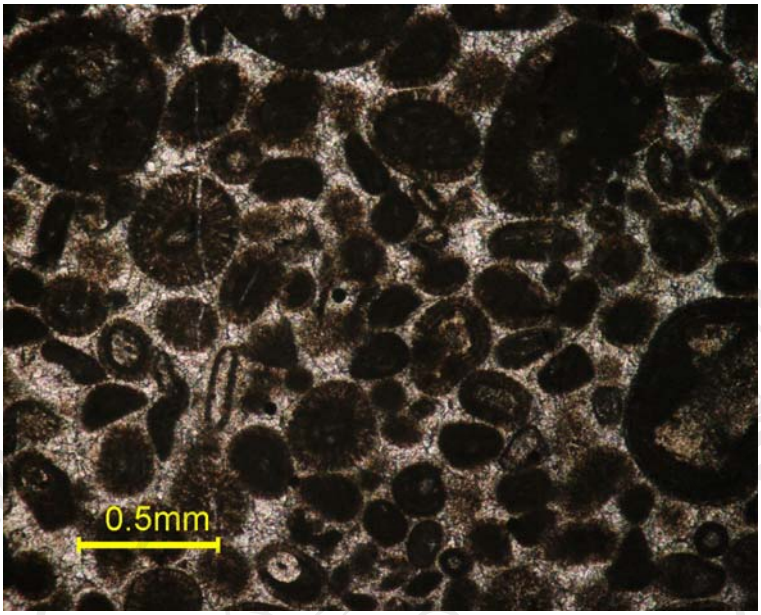


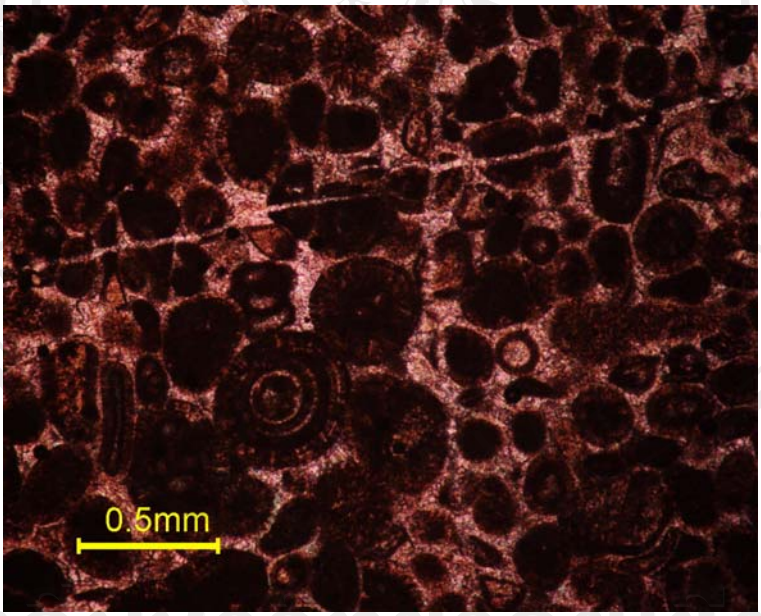
Description

Bimodal-oosparite microfacies.

Ooid grains dominated, but found some peloid grains. Most of ooids are carbonate mud nucleus, but some are foraminifera nucleus, and ostracod nucleus. The bioclasts are small forams and echinoderm plate. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 5%, the intraclasts 2%, and the bioclast 8%. The diameter of ooid grains are 0.225 mm. to 0.55 mm. The diameter of peloid grains are 0.125 mm. to 0.15 mm. The cement is drusy spar type.

E 3/49



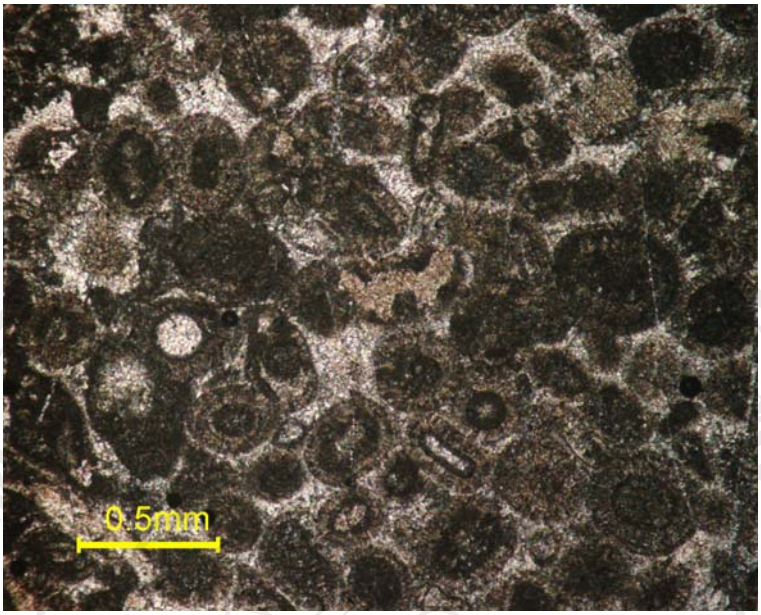


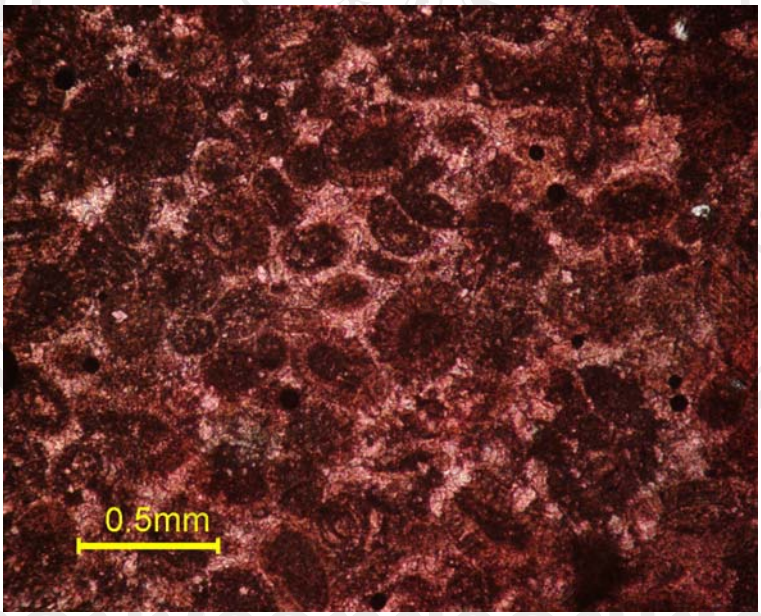
Description

Bimodal-oosparite microfacies.

Ooid grains dominated, but found some peloid grains. Most of ooids are carbonate mud nucleus, but some are foraminifera nucleus. The bioclasts are small forams, brachiopod shell fragment and echinoderm plate. The burrow tube is found. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 50%, the peloid 3%, the intraclasts 2%, and the bioclast 5%. The diameter of ooid grains are 0.225 mm. to 0.725 mm. The diameter of peloid grains are 0.125 mm. to 0.15 mm. The cement is drusy spar type.

E 3/50



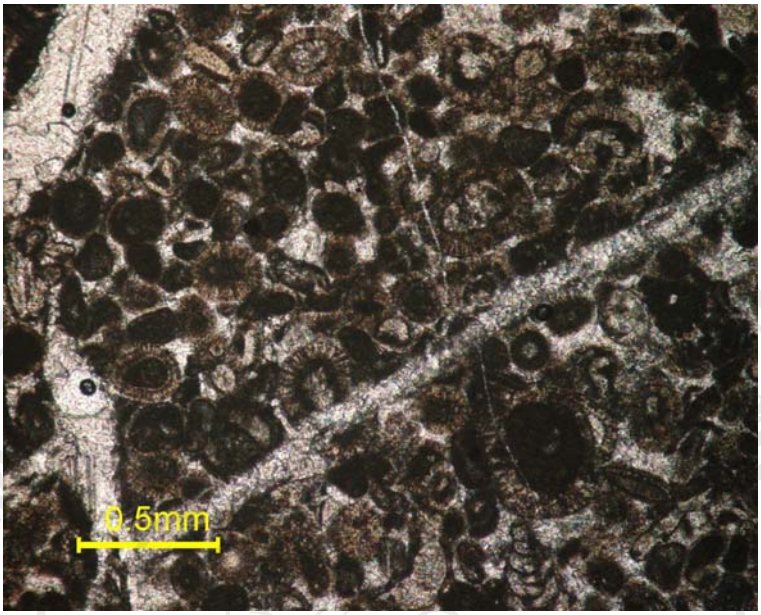


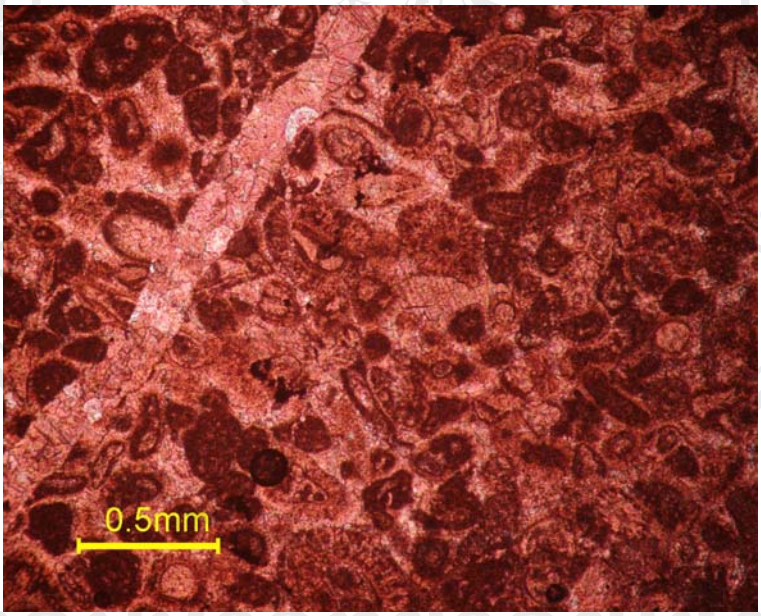
Description

Bimodal-oosparite microfacies.

Ooid grains dominated, but found some peloid grains. Most of ooids are carbonate mud nucleus, but some are foraminifera nucleus. The bioclasts are small forams, and echinoderm spine. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 5%, the intraclasts 5%, and the bioclast 5%. The diameter of ooid grains are 0.225 mm. to 0.425 mm. The diameter of peloid grains are 0.125 mm. to 0.15 mm. The cement is drusy spar type.

E 3/51



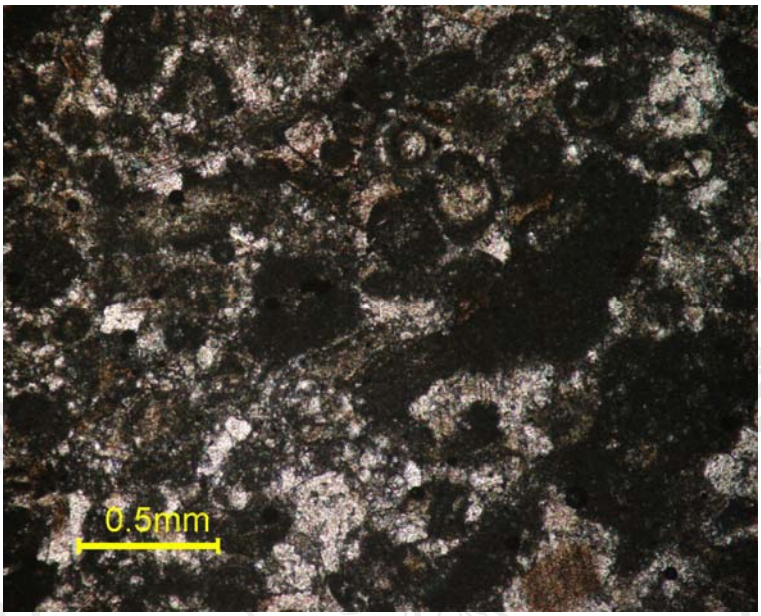


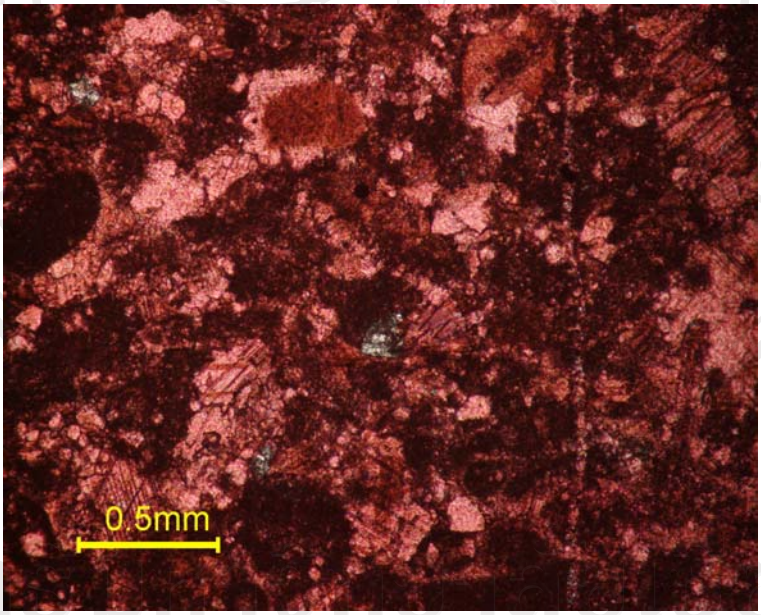
Description

Bimodal-oosparite microfacies.

Ooid grains dominated, but found some peloid grains. Most of ooids are carbonate mud nucleus, but some are foraminifera nucleus. The bioclasts are small forams, and echinoderm spine. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 40%, the peloid 10%, and the bioclast 10%. The diameter of ooid grains are 0.3 mm. to 0.525 mm. The diameter of peloid grains are 0.1 mm. to 0.15 mm. The cement is drusy spar type.

E 3/52



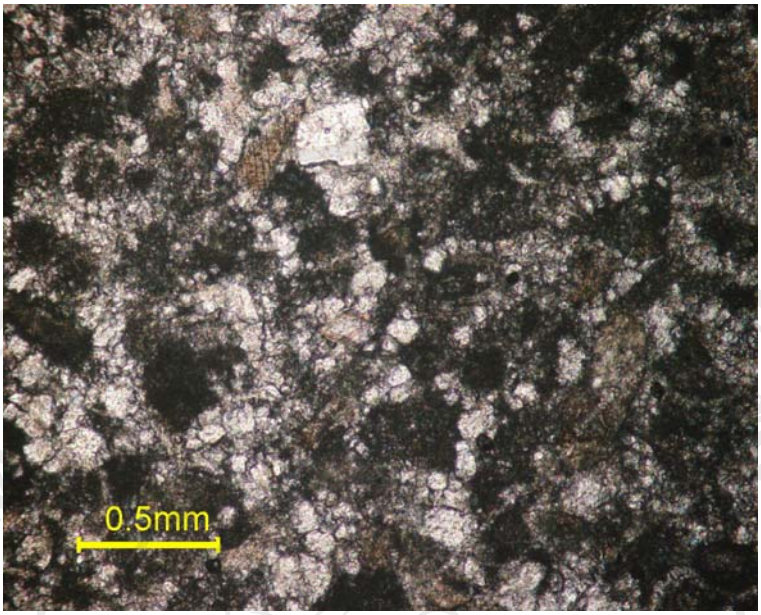


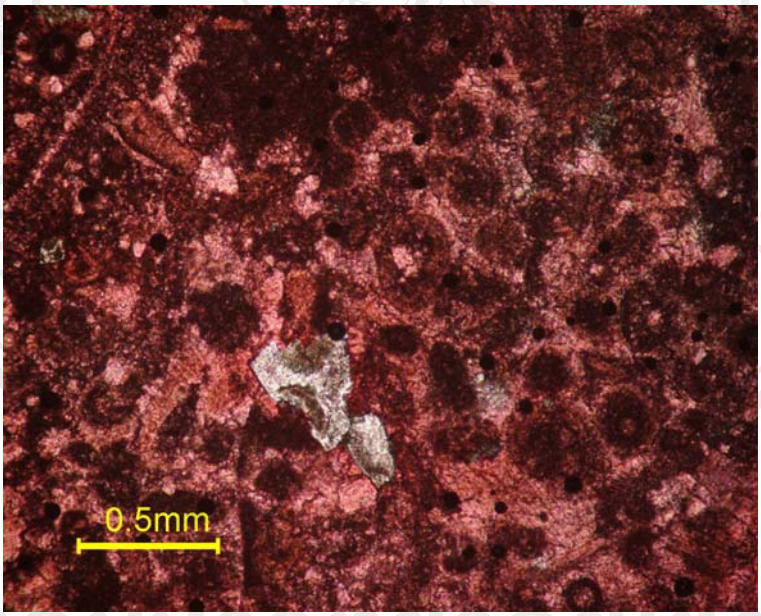
Description

Oosparite microfacies.

The petrography shows the outline of ooid grains. The diameter of ooid grains are 0.275 mm. to 0.325 mm. The cement is microspar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are equicrystal in shape. The crystal sizes of dolomite are between 0.2 mm. to 0.325 mm. and subhedral to euhedral in shape.

E 3/53



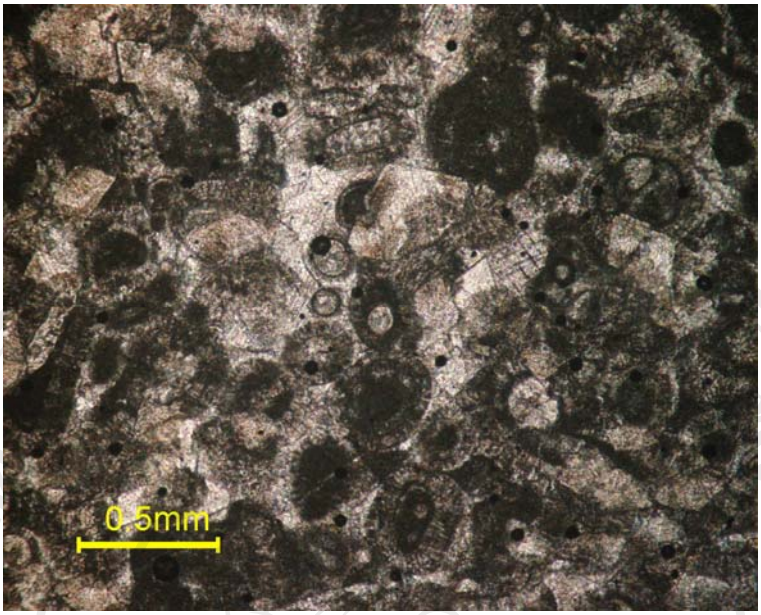


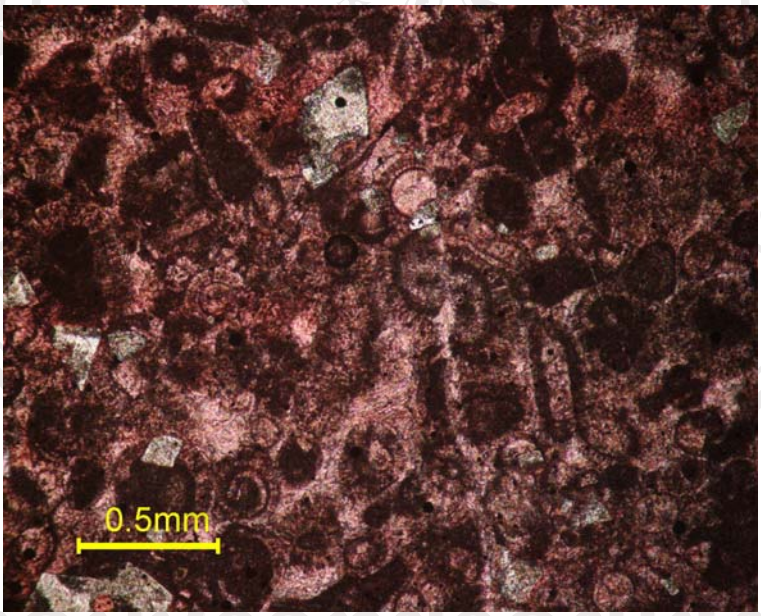
Description

Oosparite microfacies.

The petrography shows many microspars but still has an outline of ooid grains. The diameter of ooid grains are about 0.225 mm. to 0.325 mm. The cement is microspar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are equicrystal in shape. The crystal sizes of dolomite are between 0.3 mm. to 0.425 mm. and anhedral to subhedral in shape.

E 4/1



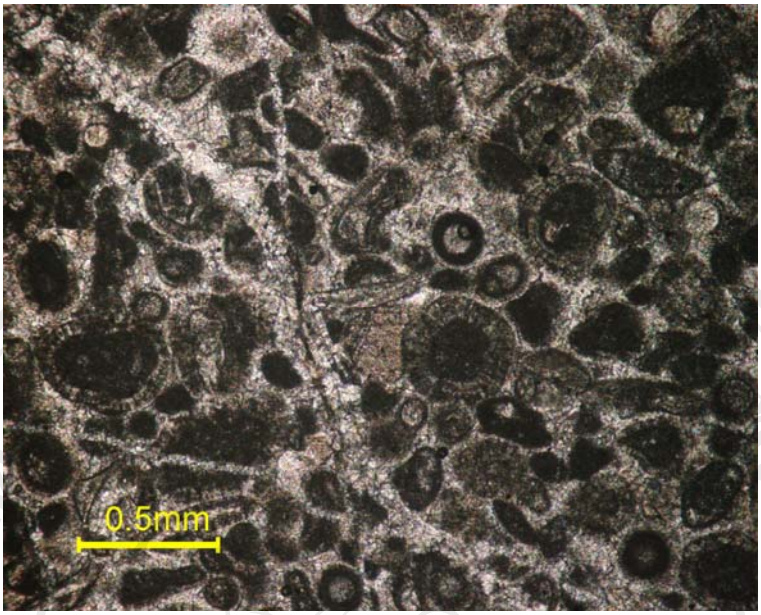


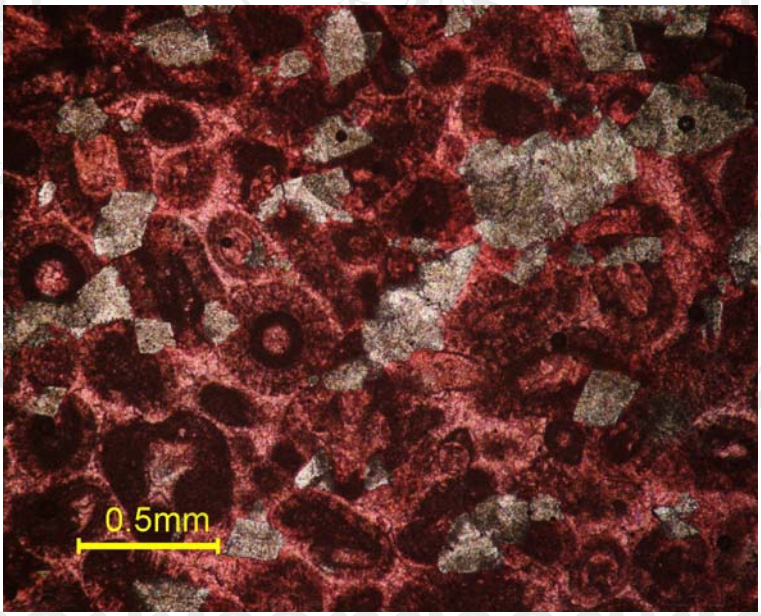
Description

Oosparite microfacies.

The ooid grains dominated, but found some peloid grains. Most of ooids are carbonate mud nucleus, but some are foraminifera nucleus. The bioclasts are small forams. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 40%, the peloid 10%, the intraclasts 5%, and the bioclast 5%. The diameter of ooid grains are 0.325 mm. to 0.425 mm. The diameter of peloid grains are 0.15 mm. to 0.175 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.225 mm. and 0.425 mm. and subhedral to euhedral in shape.

E 4/2



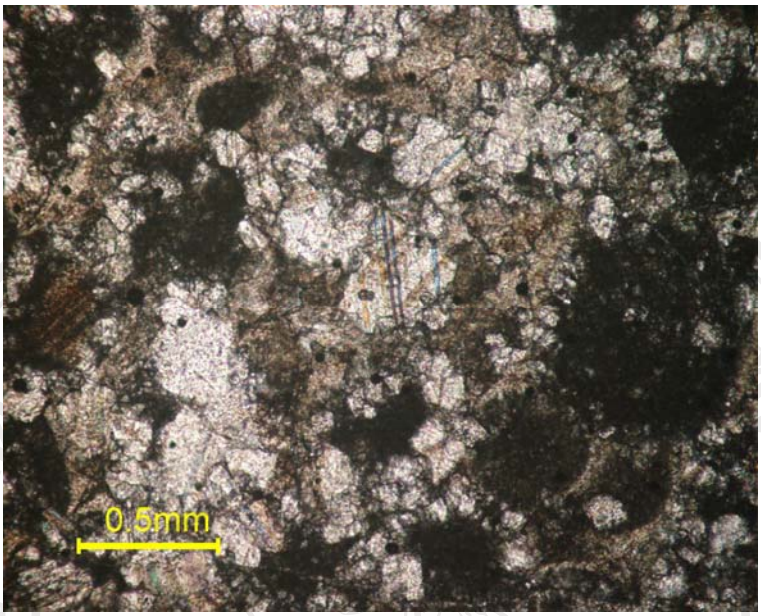


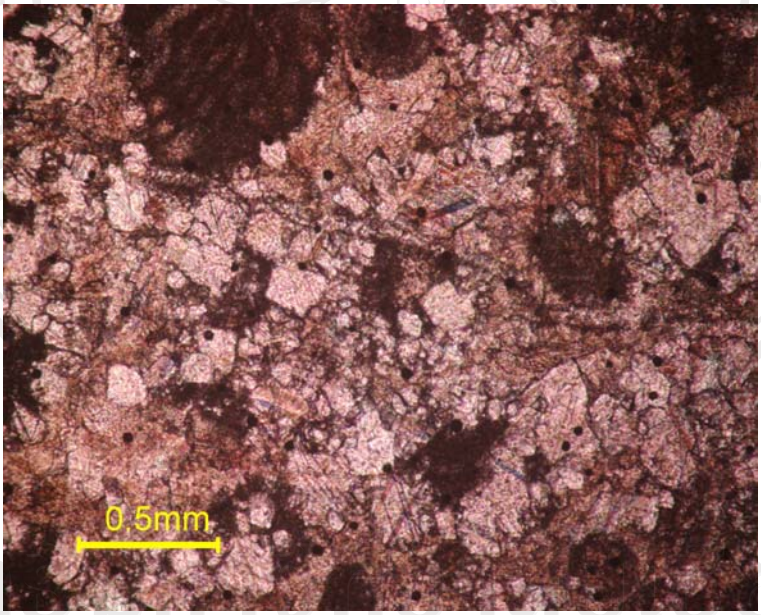
Description

Bimodal-oosparite microfacies.

Ooid grains dominated, but found some peloid grains and intraclasts grain. Most of ooids are carbonate mud nucleus, but some are foraminifera nucleus and ostracod nucleus. The bioclasts are small forams. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 50%, the peloid 5%, the intraclasts 1%, and the bioclast 4%. The diameter of ooid grains are 0.225 mm. to 0.425 mm. The diameter of peloid grains are 0.125 mm. to 0.15 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.3 mm. to 1.325 mm. and anhedral to subhedral in shape.

E 4/3



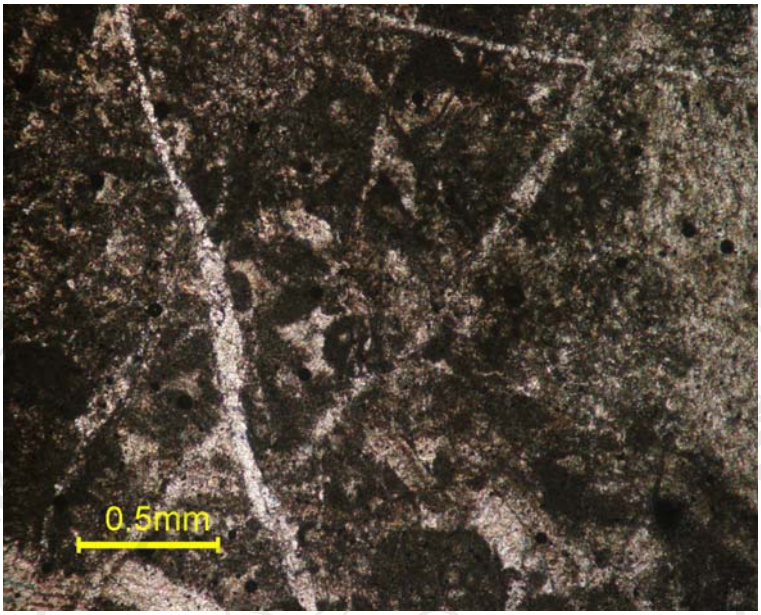


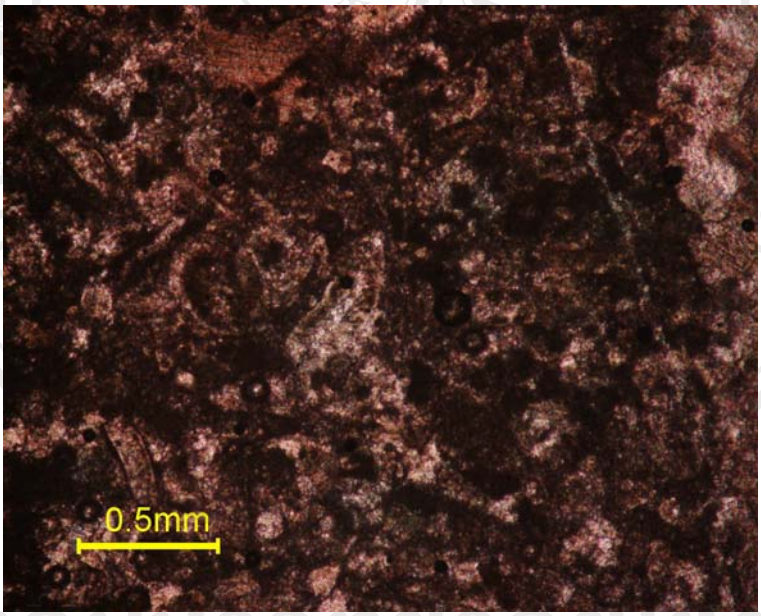
Description

Oosparite microfacies.

The petrography shows the outline of ooid grains. The bioclasts grains are small forams. The diameter of ooid grains are about 0.3 mm. to 0.5 mm. The cement is microspar type.

E 4/4



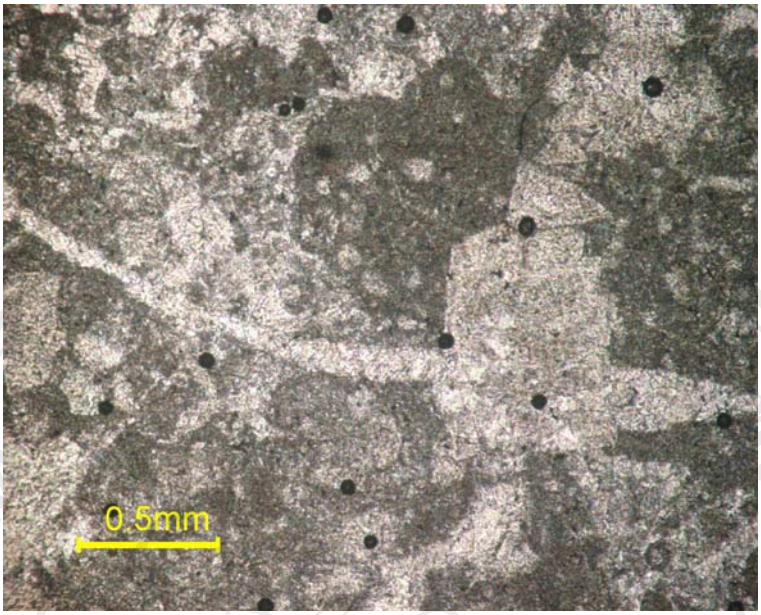


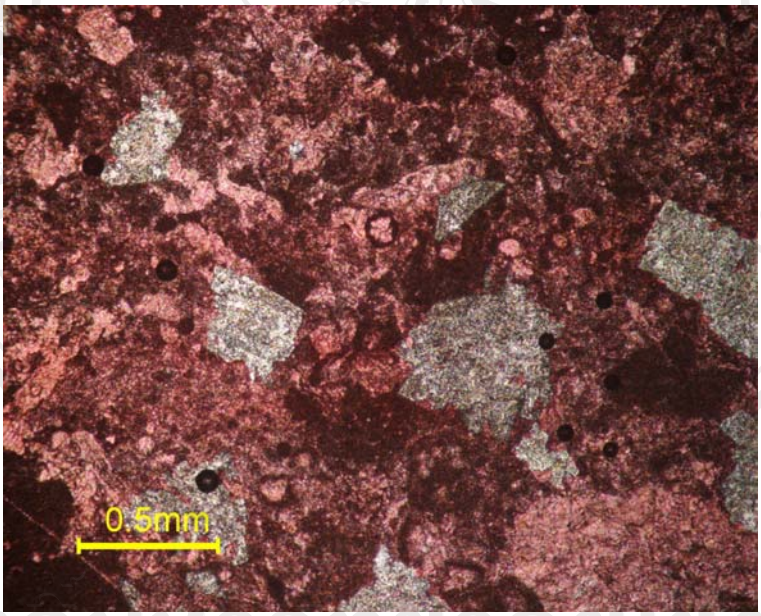
Description

Microspar microfacies.

The petrography had shown the outline of peloid grains, another grain are intraclasts in the spary cement. The bioclasts are small forams, burrow, and ostracod. The diameter of peloid grains are 0.1 mm. to 0.15 mm. The diameter of intraclast grains are 0.425 mm. to 0.725 mm. and subround in shape. The calcite veins have 2 generation.

E 4/5



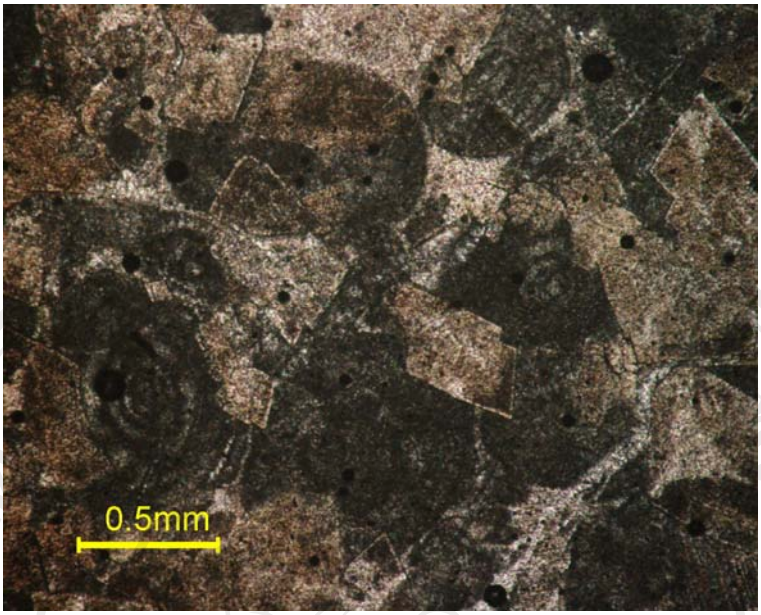


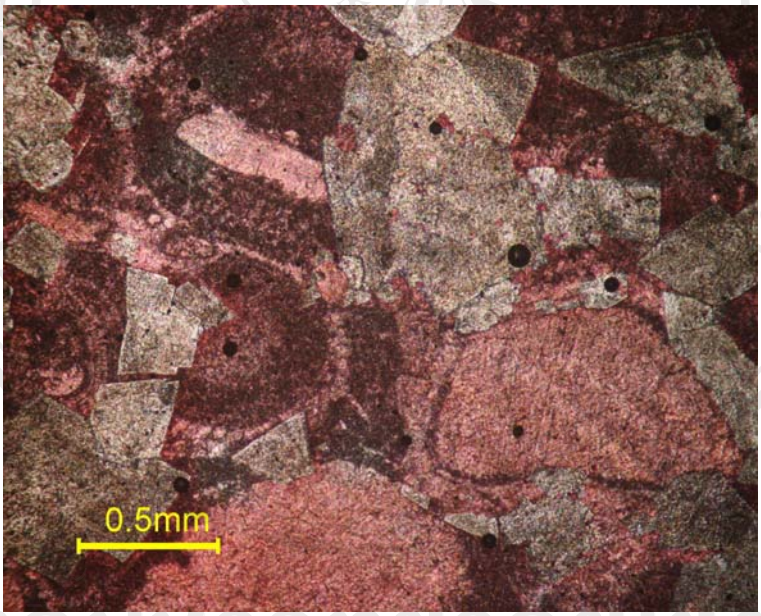
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are intraclasts in the microspar. The bioclasts are small forams, and calcisphere. The diameter of peloid grains are 0.1 mm. to 0.15 mm. The diameter of intraclast grains are 0.425 mm. to 0.725 mm. and subround in shape. The calcite veins have 2 generation. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.325 mm. to 0.625 mm. and anhedral to subhedral in shape.

E 4/6



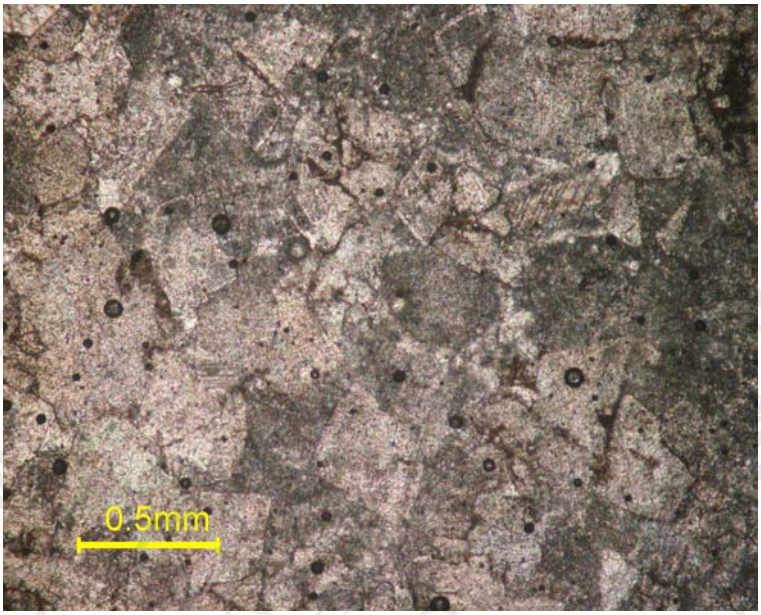


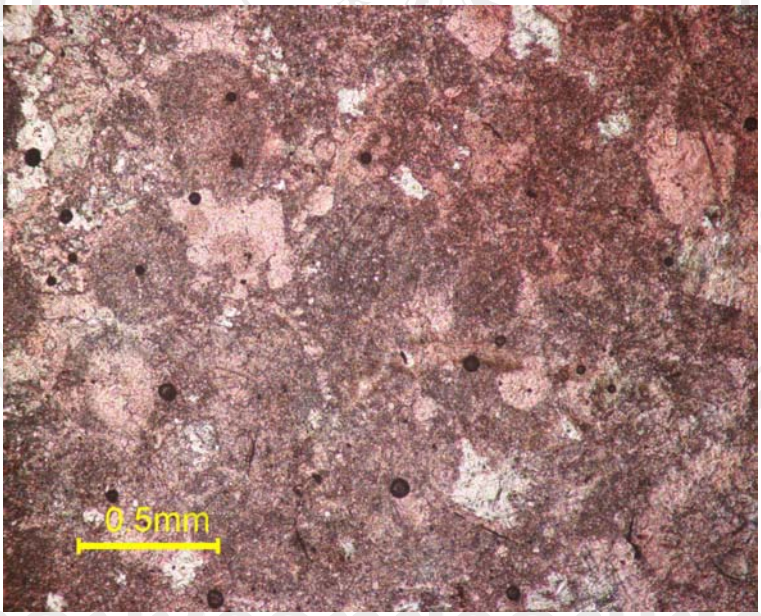
Description

Bimodal-oosparite microfacies.

The petrography had shown the outline of ooid grains in the dolomite crystals. The bioclasts are small forams. The diameter of ooid grains are 0.225 mm. to 0.425 mm. The cement is drusy spar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.325 mm. to 0.925 mm. and anhedral to subhedral in shape.

E 4/7



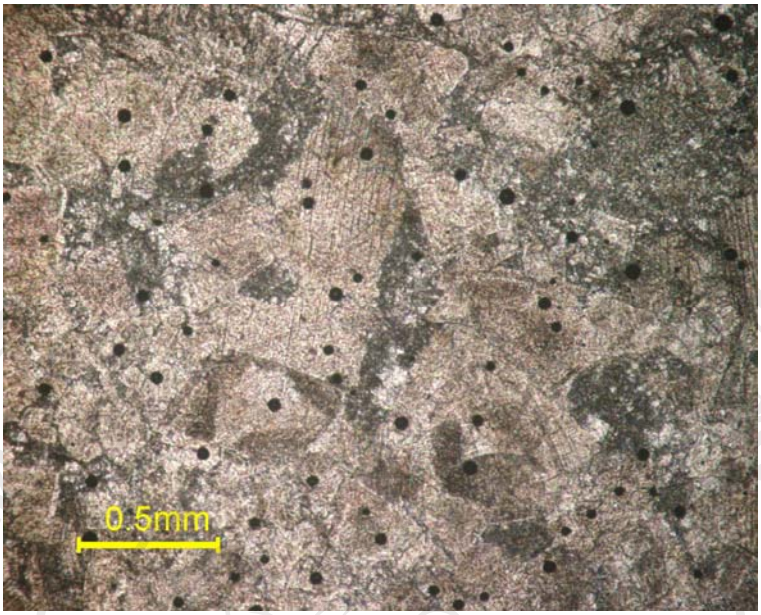


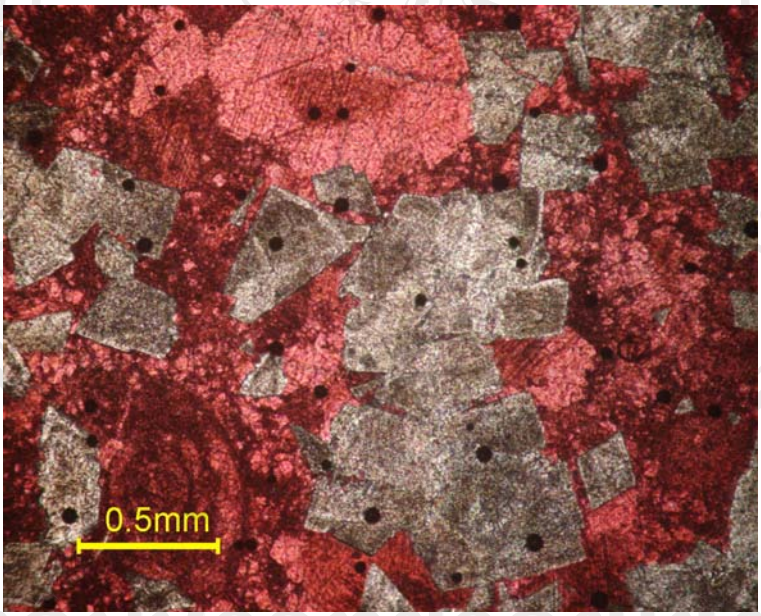
Description

Oosparite microfacies.

The petrography had shown the outline of the ooid grains in the dolomite crystal. The bioclasts are small forams and shell fragments. The diameter of ooid grains are 0.325 mm. to 0.425 mm. The cement is drusy spar type. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.225 mm. to 0.425 mm. and anhedral to subhedral in shape.

E 4/8



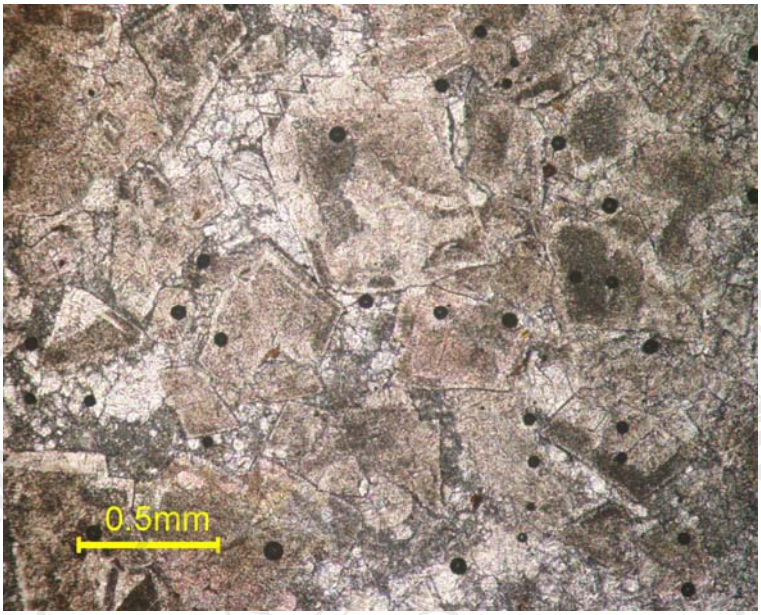


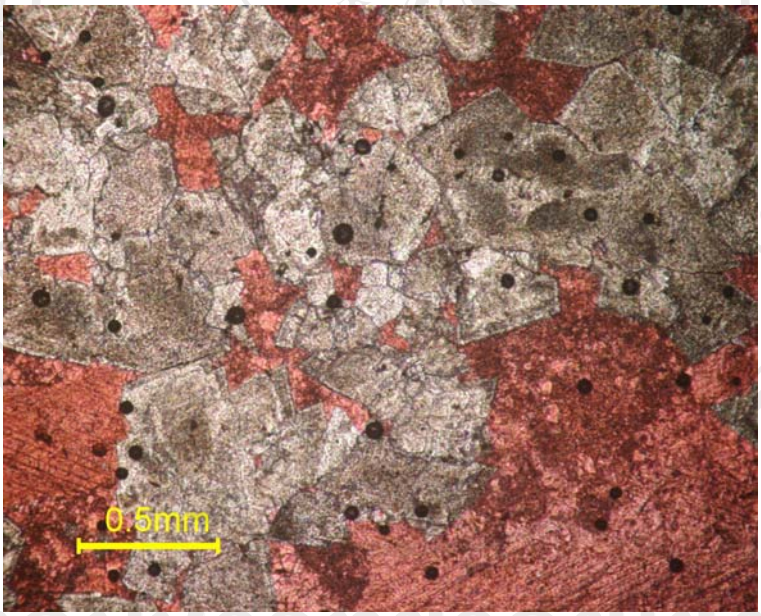
Description

Oosparite microfacies.

The petrography shows the outline of ooid grains. The bioclasts grains are small forams and shell fragments. The diameter of ooid grains are about 0.4 mm. to 0.625 mm. The cement is microspar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.125 mm. to 0.325 mm. and anhedral to subhedral in shape.

E 4/9



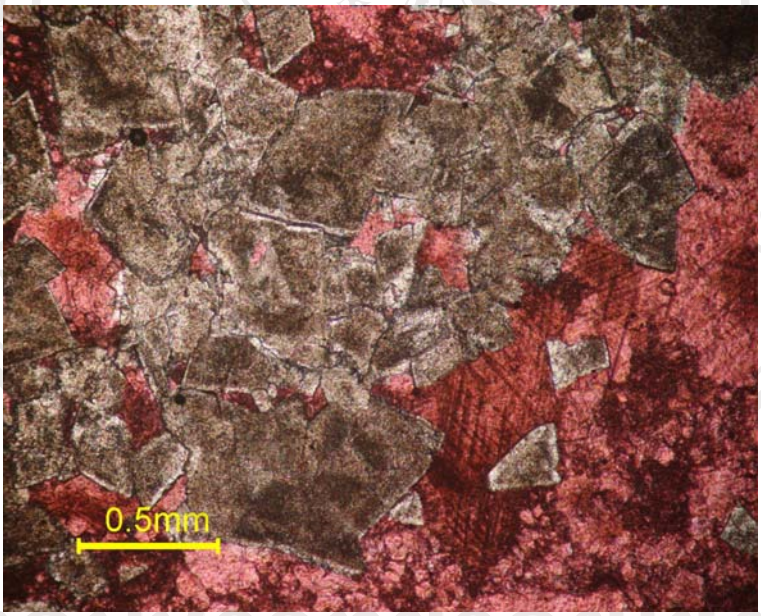


Description

Oosparite microfacies.

The petrography shows the outline of ooid grains. The bioclasts grains are small forams and shell fragments. The diameter of ooid grains are about 0.4 mm. to 0.725 mm. The cement is microspar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.325 mm. to 1.425 mm. and subhedral to anhedral in shape.

E 4/10

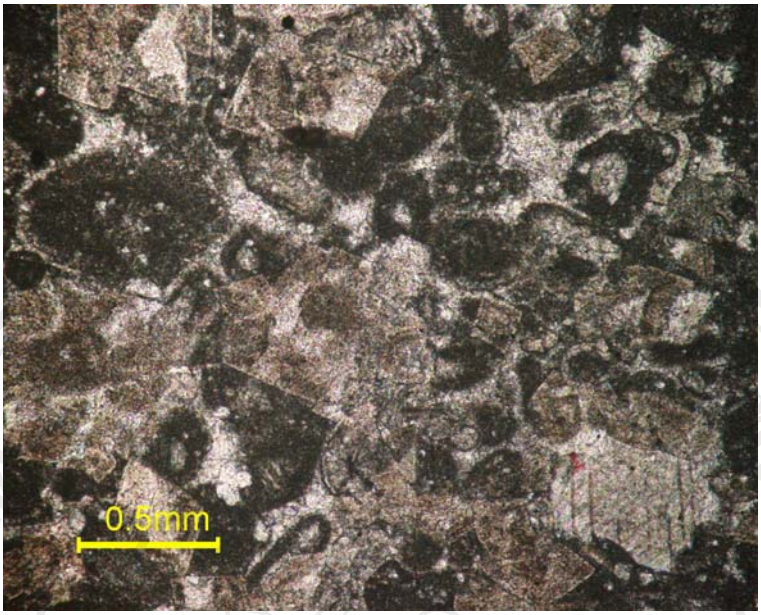


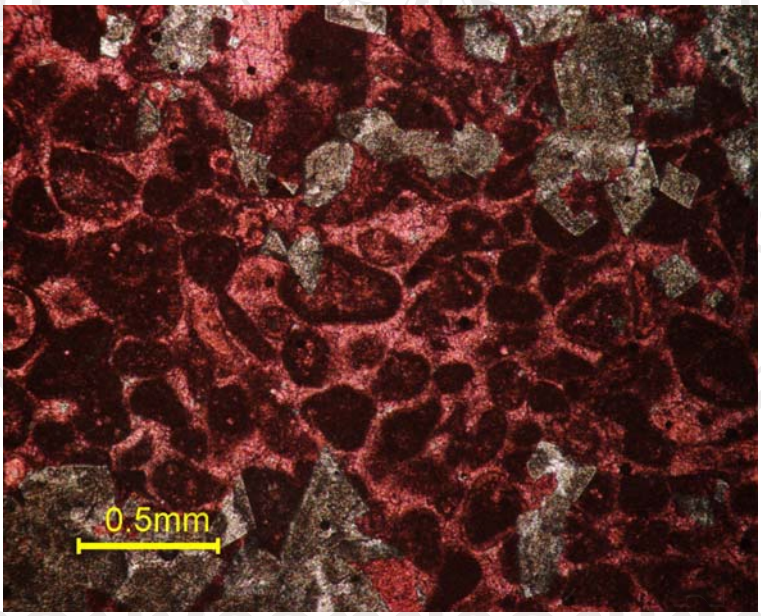
Description

Oosparite microfacies.

The petrography shows the outline of ooid grains. The bioclasts grains are small forams, echinoderm plate and shell fragments. The diameter of ooid grains are about 0.3 mm. to 0.6 mm. The cement is microspar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.275 mm. to 7.25 mm. and subhedral to anhedral in shape.

E 4/11



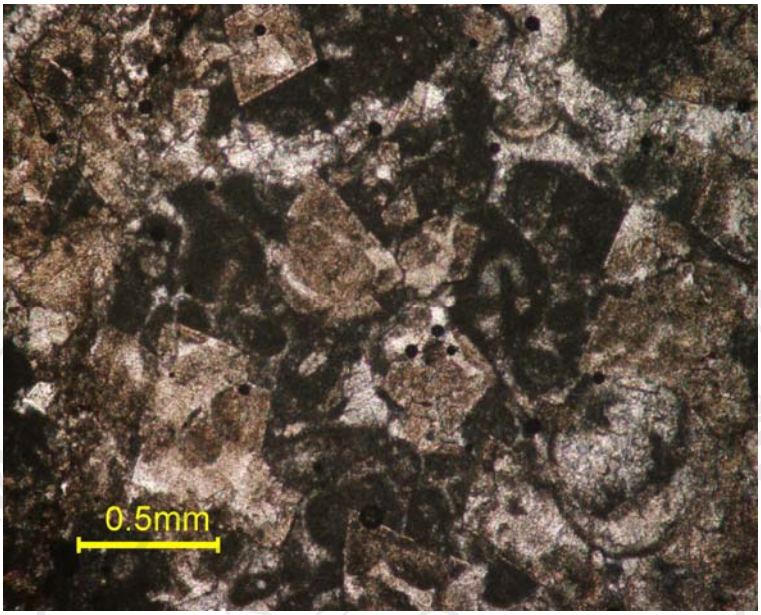


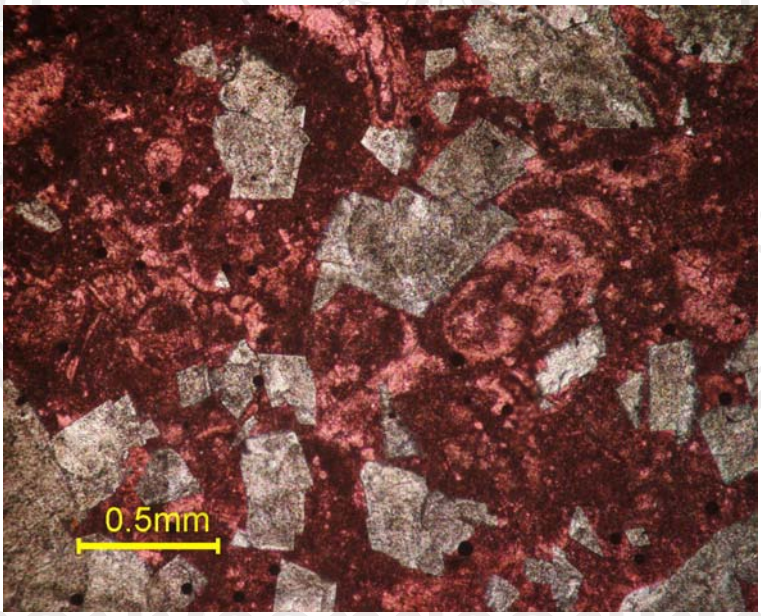
Description

Pelsparite microfacies.

The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 50%, and the bioclast 5%. The bioclasts are small forams. The diameter of peloid grains are 0.15 mm. to 0.175 mm. The cement is sparite. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.15 mm. to 0.625 mm. and anhedral to subhedral in shape.

E 4/12



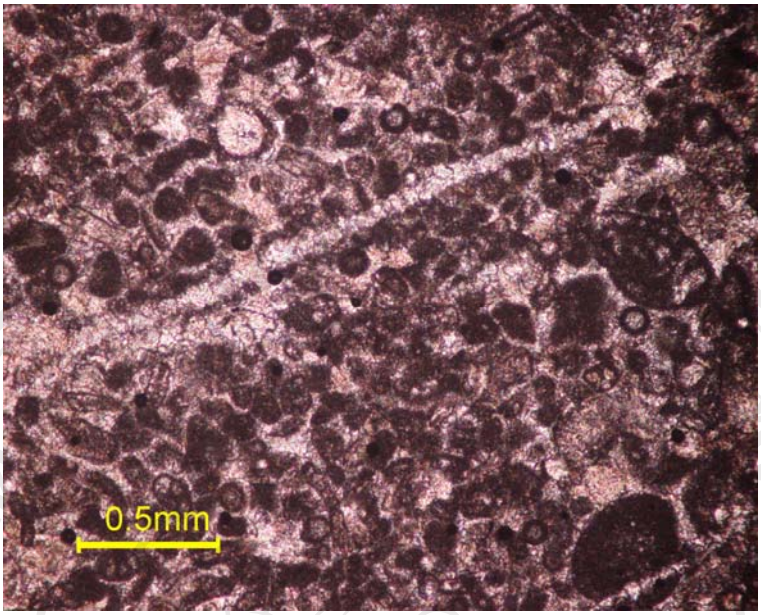


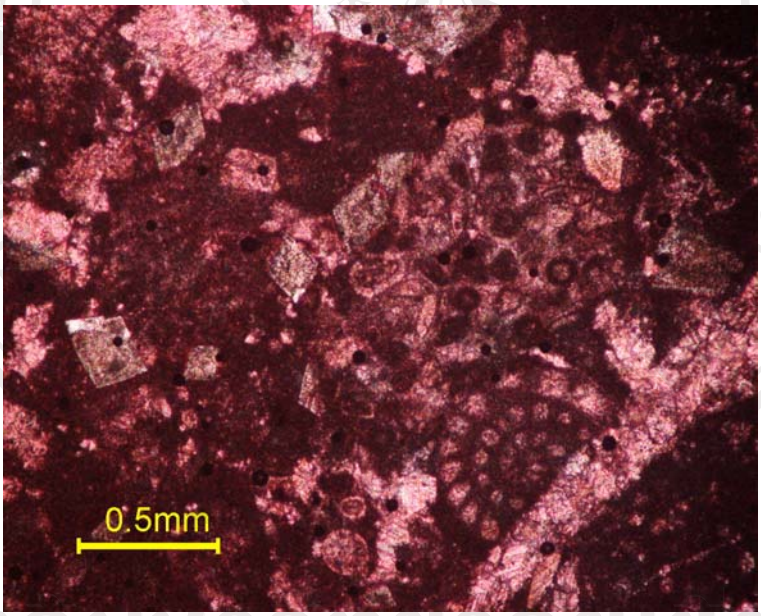
Description

Pelsparite microfacies.

The petrography had shown the peloid grains in the dolomite crystals.The bioclasts are small forams and shell fragments. The diameter of peloid grains are 0.075 mm. to 0.175 mm. The cement is sparite. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.15 mm. to 0.625 mm. and subhedral to euhedral in shape.

E 4/13



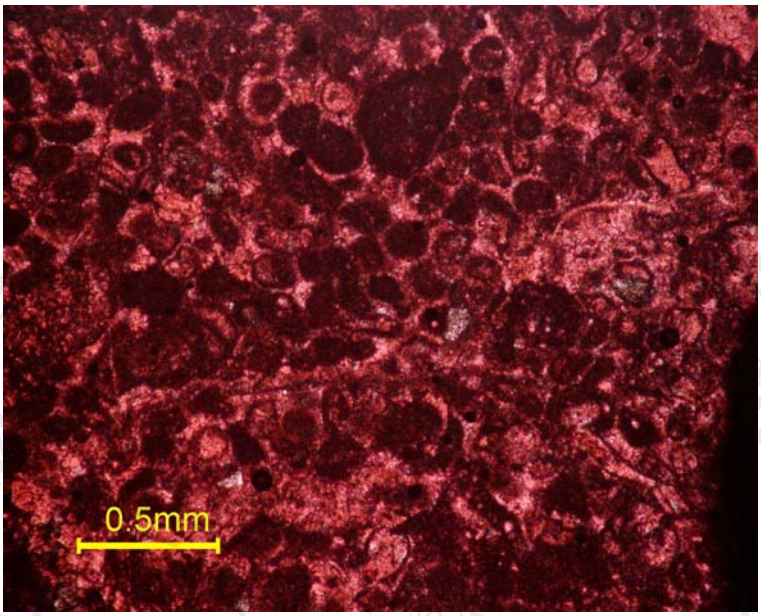


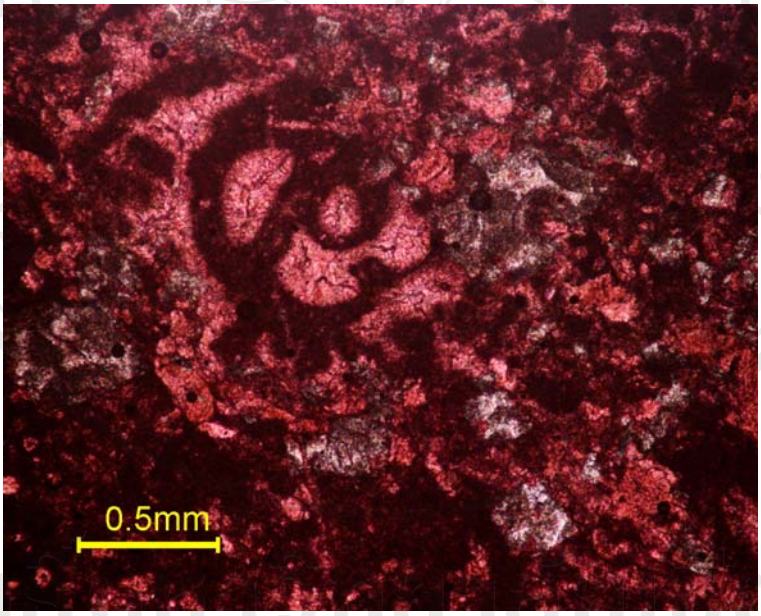
Description

Pelsparite microfacies.

The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 45%, and the bioclast 10%. The bioclasts are small forams, and coral fragment. The cement is sparite. The diameter of peloid grains are 0.075 mm. to 0.1 mm. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.3 mm. to 0.425 mm. and subhedral to euhedral in shape.

E 4/14



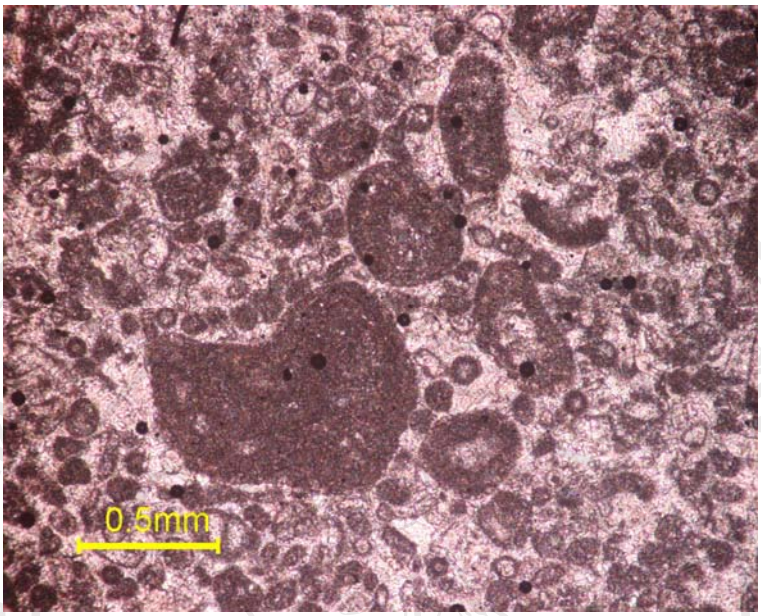


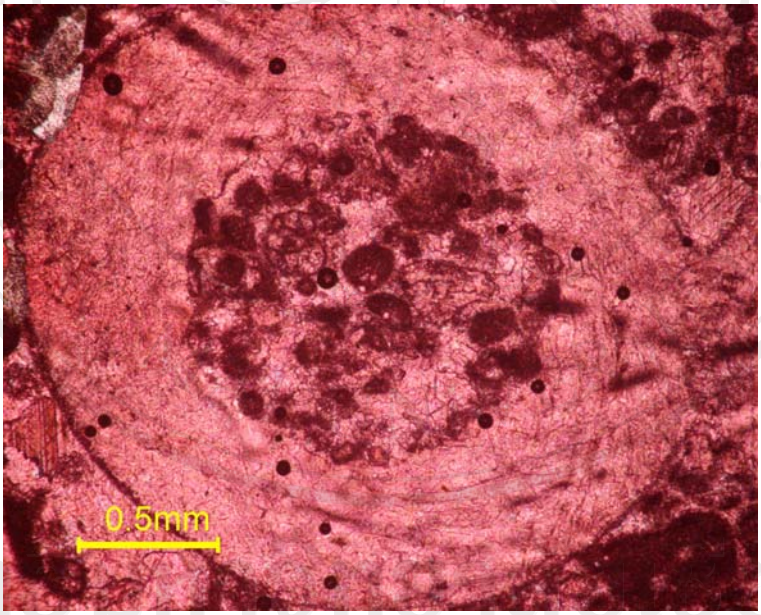
Description

Pelsparite microfacies.

The petrography had shown that the allochem 50%, the micrite 0%, the sparite 50%, and the porosity 0%. The allochem are composed of peloid 40%, and the bioclast 10%. The bioclasts are small forams, and calcispheres. The cement is sparite. The diameter of peloid grains are 0.1 mm. to 0.2 mm. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.225 mm. to 0.45 mm. and anhedral to subhedral in shape.

E 4/15



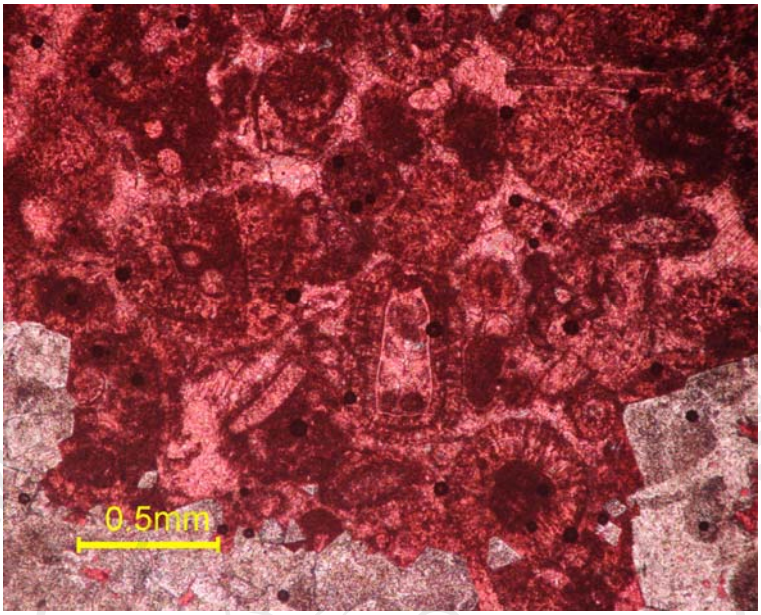


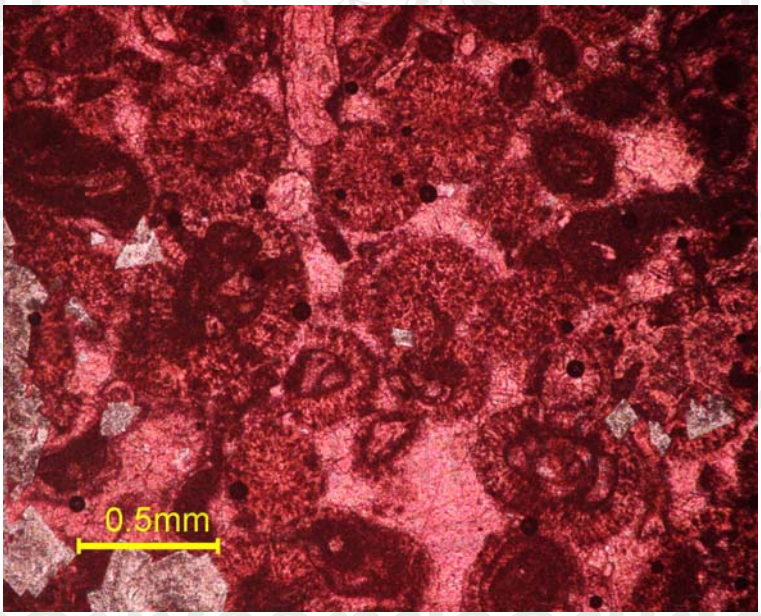
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are intraclasts, and rare ooid grains. The cement is sparite. The bioclasts are small forams, shell fragment, calcisphere, and burrow tube. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 40%, the ooid 2%, the intraclasts 3%, and the bioclast 10%. The diameter of burrow tube is about 2.225 mm.The diameter of peloid grains are 0.075 mm. to 0.1 mm. The diameter of intraclast grains are 0.825 mm. to 0.95 mm. and subround in shape.The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.3 mm. to 0.525 mm. and anhedral to subhedral in shape.

E 4/16



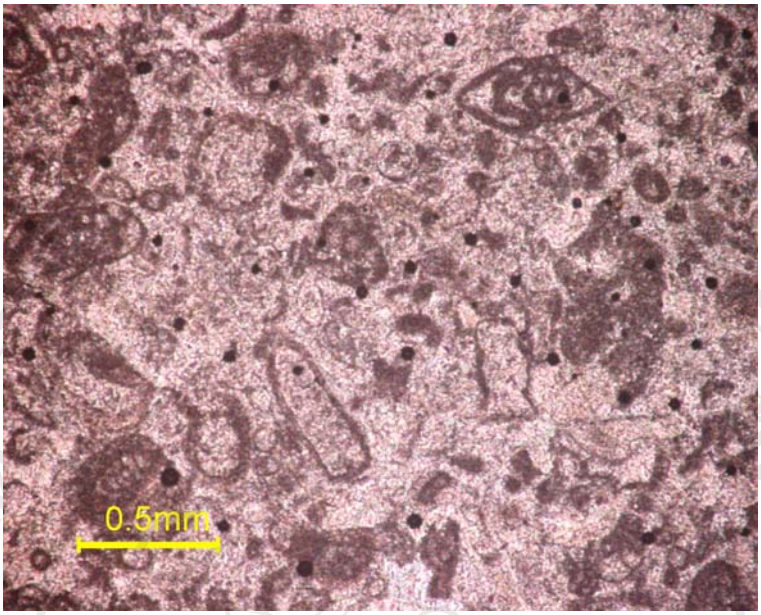


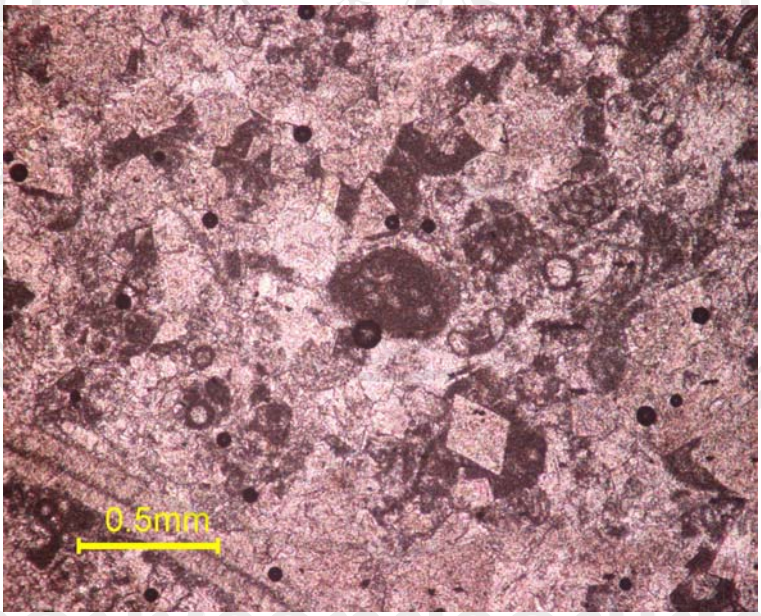
Description

Bimodal-oosparite microfacies.

The ooid grains dominant, other grains are peloid. The bioclasts are small forams. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 40%, the peloid 10%, and the bioclast 10%. The diameter of ooid grains are 0.325 mm. to 0.725 mm.The diameter of peloid grains are 0.15 mm. to 0.225 mm. The cement is drusy sparite. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.225 mm. to 0.425 mm. and subhedral to euhedral in shape.

E 4/17



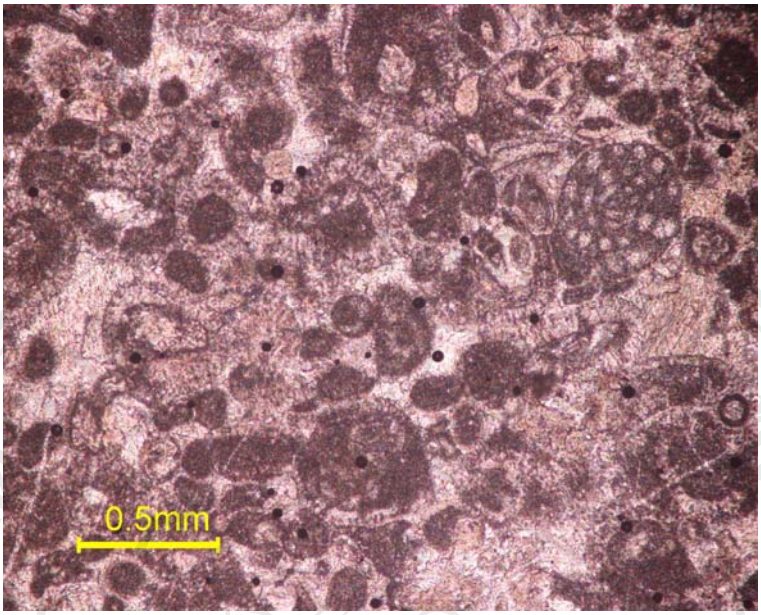


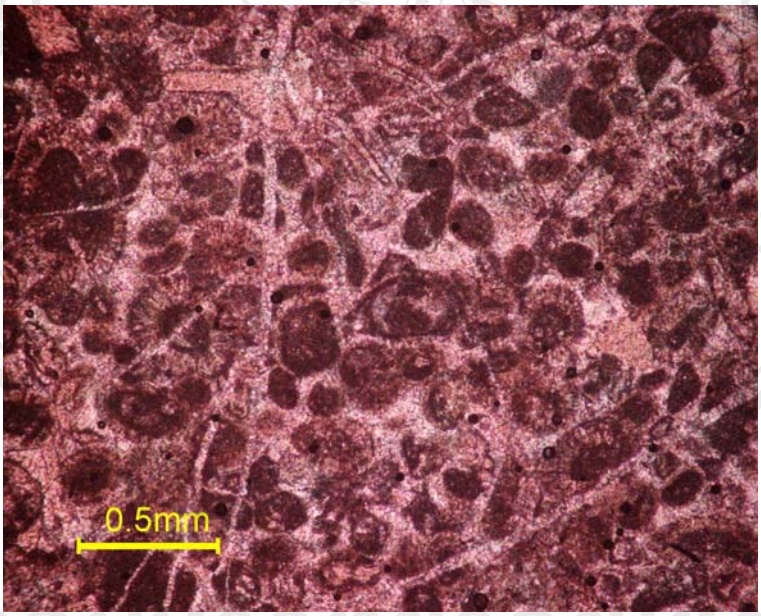
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are intraclasts, and rare ooid grains. The cement is sparite. The bioclasts are small forams, calcispheres, and coral fragment. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 40%, the ooid 2%, the intraclasts 8%, and the bioclast 5%. The diameter of peloid grains are 0.1 mm. to 0.15 mm. The diameter of intraclast grains are about 3.5 mm. and subround in shape. The diameter of ooid grains are 0.25 mm. to 0.325 mm. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.3 mm. to 0.525 mm. and subhedral to euhedral in shape.

E 4/18



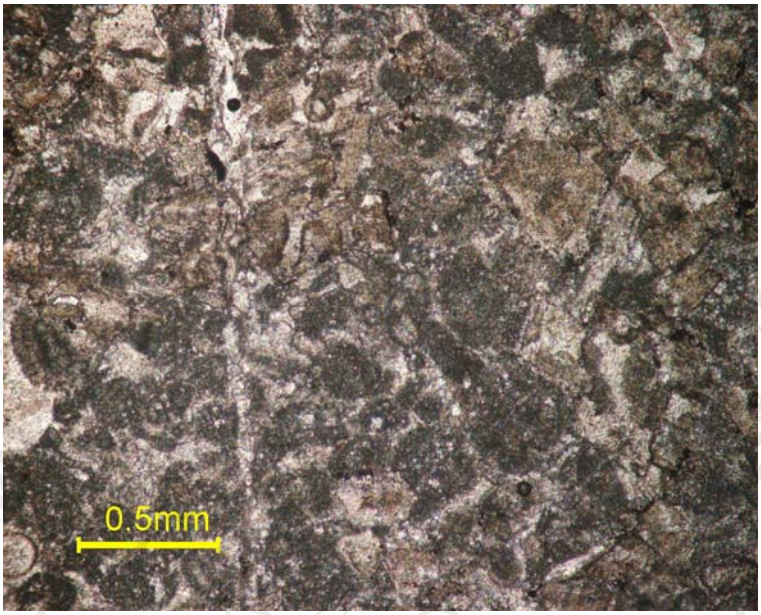


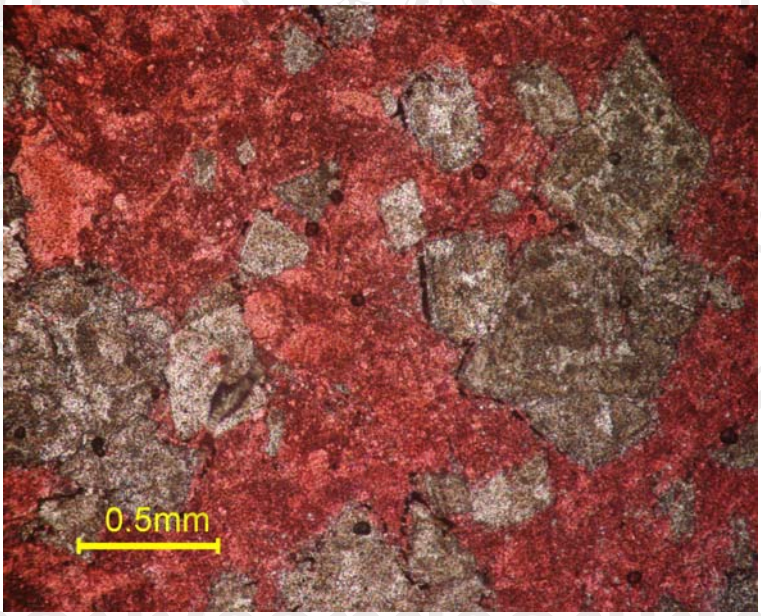
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are intraclasts, and ooid grains. The cement is sparite. The bioclasts are small forams, echinoderm plate, calcispheres, and coral fragment. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 40%, the ooid 1%, the intraclasts 9%, and the bioclast 5%. The diameter of peloid grains are 0.1 mm. to 0.15 mm. The diameter of intraclast grains are about 0.35 mm. to 0.65 mm. and subround in shape. The diameter of ooid grains are 0.3 mm. to 0.475 mm. The brachiopod spine-nucleous ooids show the hollow centre and absence of any dark looking micritic layers, transverse sections of brachiopod spines show a pseudo-uniaxial cross with polars crossed. The calcite veins have 2 generation.

E 4/19



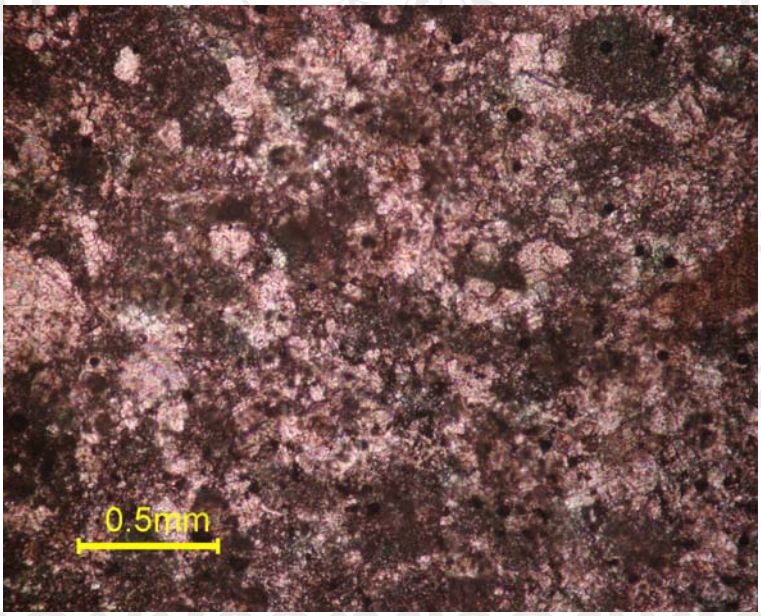


Description

Pelsparite microfacies.

The petrography had shown the peloid in the dolomite crystals. The peloid grains dominate, another grain are ooid grains. The cement is sparite. The bioclasts are small forams, and echinoderm plate. The diameter of peloid grains are 0.15 mm. to 0.225 mm. The diameter of ooid grains are 0.3 mm. to 0.475 mm. The calcite veins have 2 generation. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.425 mm. to 0.75 mm. and anhedral to subhedral in shape.

E 4/20

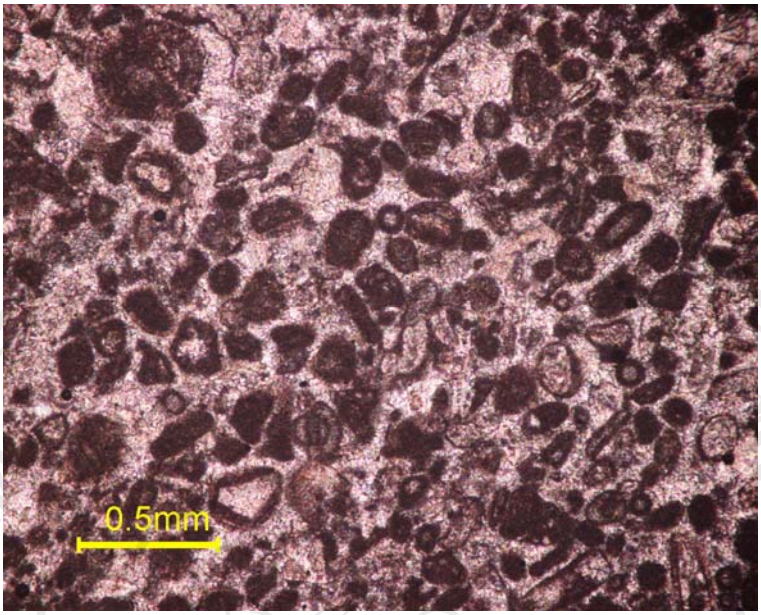


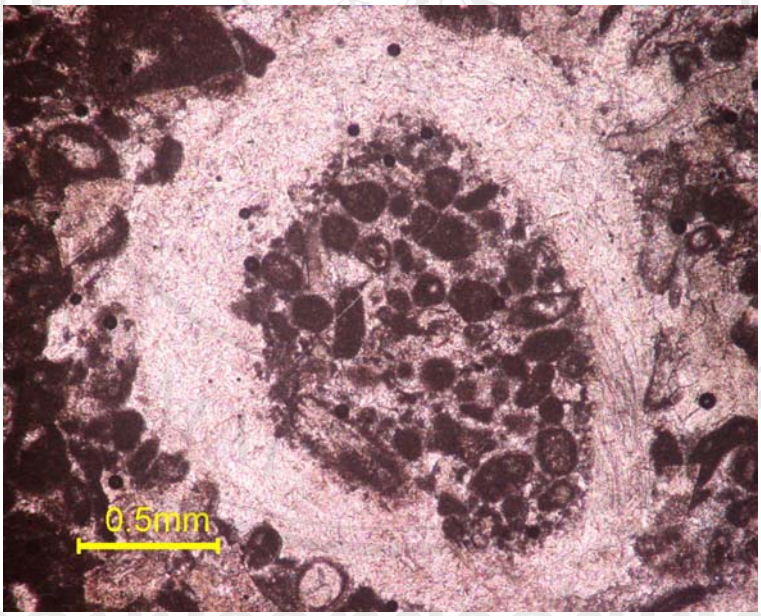
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are ooid grains in microspar. The cement is microsparite. The diameter of peloid grains are 0.15 mm. to 0.2 mm. The diameter of ooid grains are about 0.3 mm. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.625 mm. to 1.125 mm. and anhedral to subhedral in shape.

E 4/21



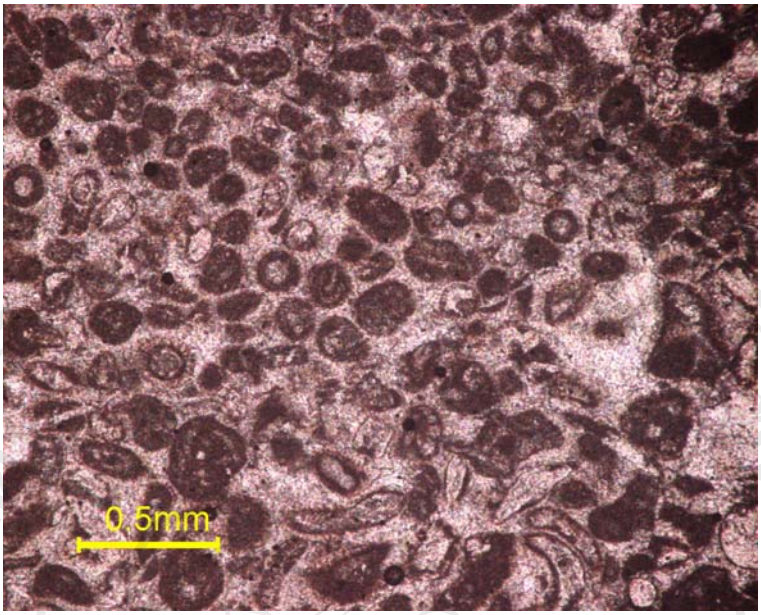


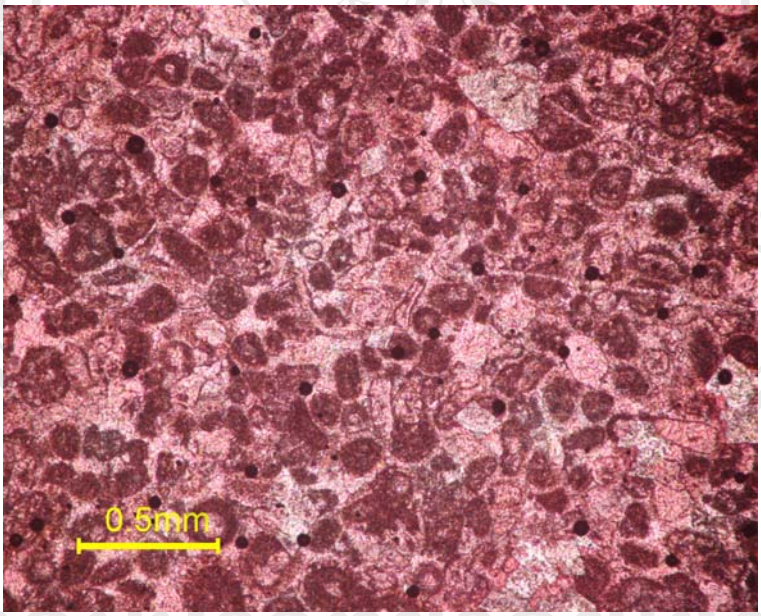
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are intraclasts, and rare ooid grains. The cement is sparite. The bioclasts are small forams, shell fragment, calcisphere, and burrow tube. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of peloid 50%, the ooid 1%, the intraclasts 2%, and the bioclast 5%. The diameter of burrow tube is about 2.125 mm. The diameter of peloid grains are 0.1 mm. to 0.15 mm. The diameter of intraclast grains are 0.625 mm. to 1.05 mm. and subround in shape.

E 4/22



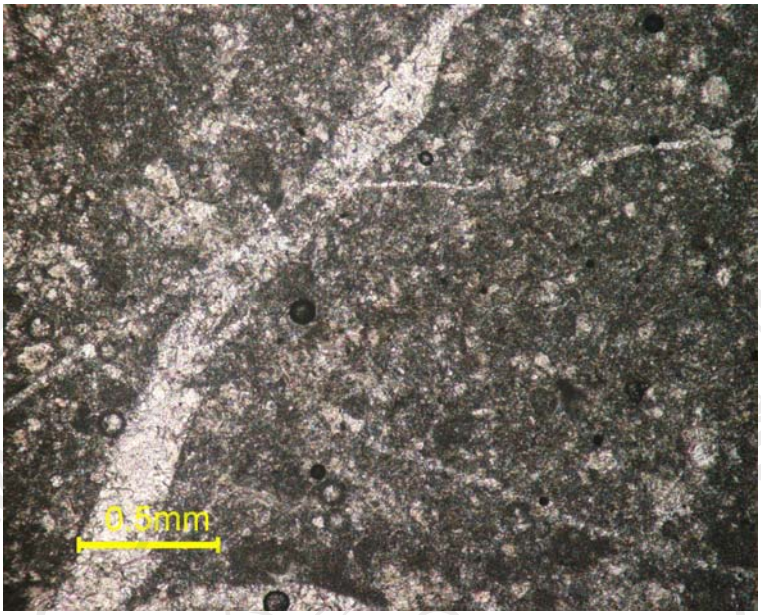


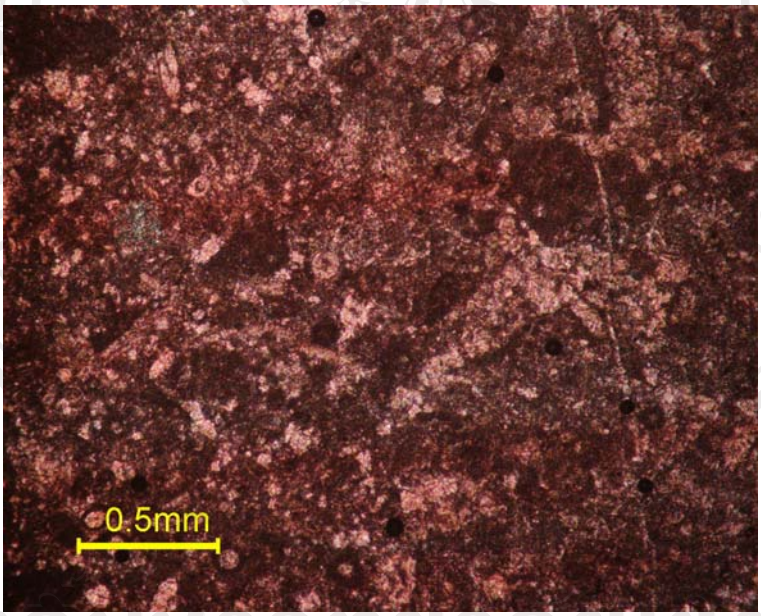
Description

Pelsparite microfacies.

Peloid grains dominate, another grain are ooid grains. The cement is sparite. The bioclasts are small forams, shell fragment, calcisphere, and brachiopod spine. The petrography had shown that the allochem 45%, the micrite 0%, the sparite 55%, and the porosity 0%. The allochem are composed of peloid 35%, the ooid 2%, the intraclasts 3%, and the bioclast 5%. The diameter of peloid grains are 0.1 mm. to 0.175 mm. The diameter of ooid grains are 0.15 mm. to 0.325 mm. and subround in shape. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.25 mm. to 0.425 mm. and subhedral to euhedral in shape.

E 4/23



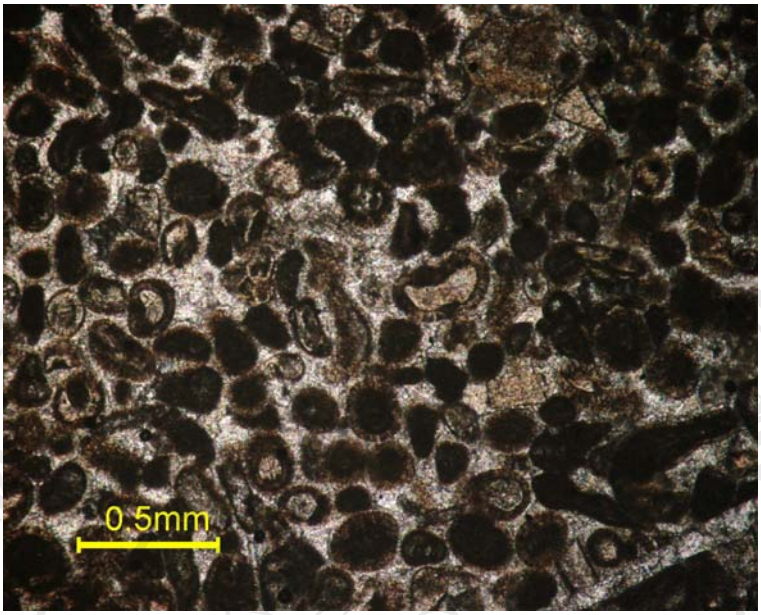


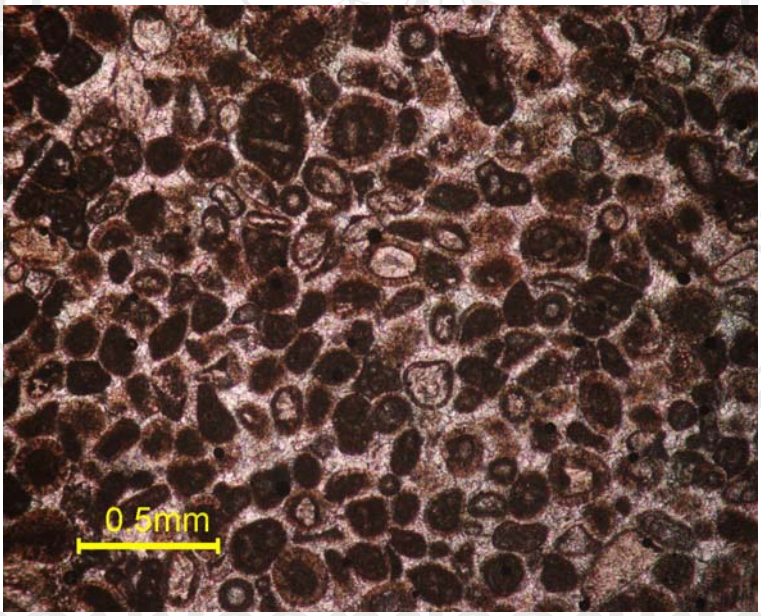
Description

Pelsparite microfacies.

The petrography shows the outline of peloid in microspar. The bioclasts are small forams, and calcisphere. The diameter of peloid grains are 0.1 mm. to 0.15 mm. The diameter of ooid grains are 0.15 mm. to 0.35 mm. and subround in shape. The cement is microsparite.

E 4/24



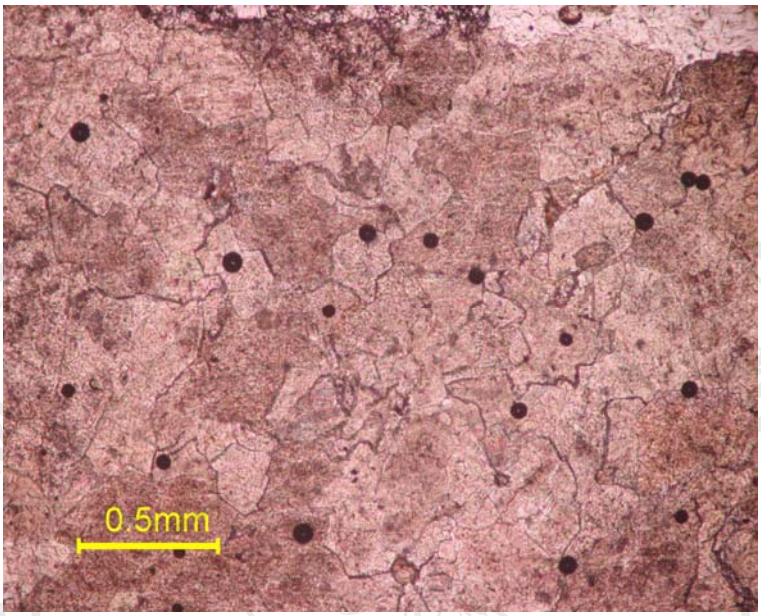


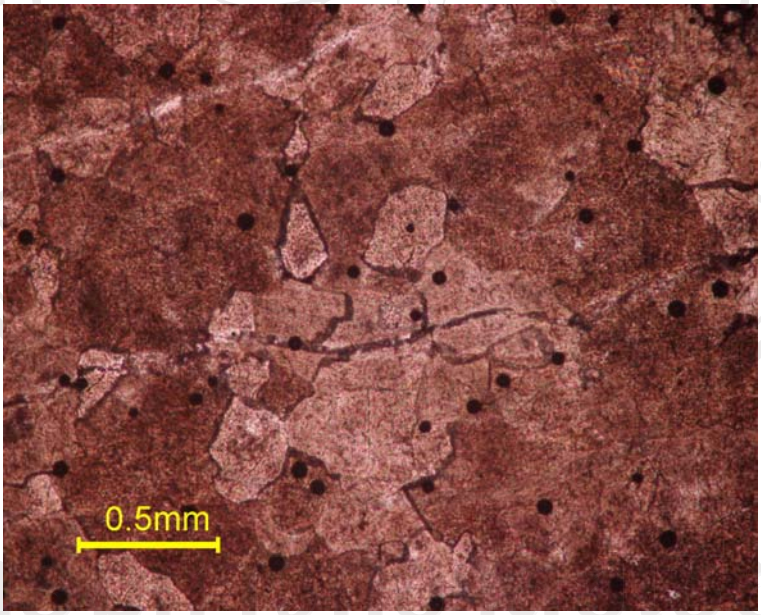
Description

Bimodal-oosparite microfacies.

The ooid grains are dominant, other grain are peloid. The bioclasts are small forams, echinoderm plate, brachiopod spine, and calcisphere. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 10%, and the bioclast 5%. The diameter of ooid grains are 0.225 mm. to 0.45 mm. The diameter of peloid grains are 0.1 mm. to 0.125 mm. The cement is drusy sparite.

E 4/25



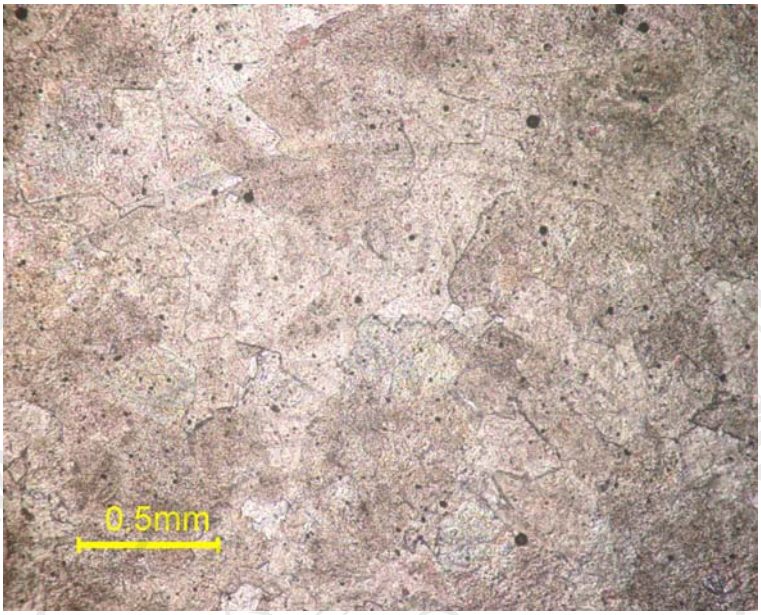


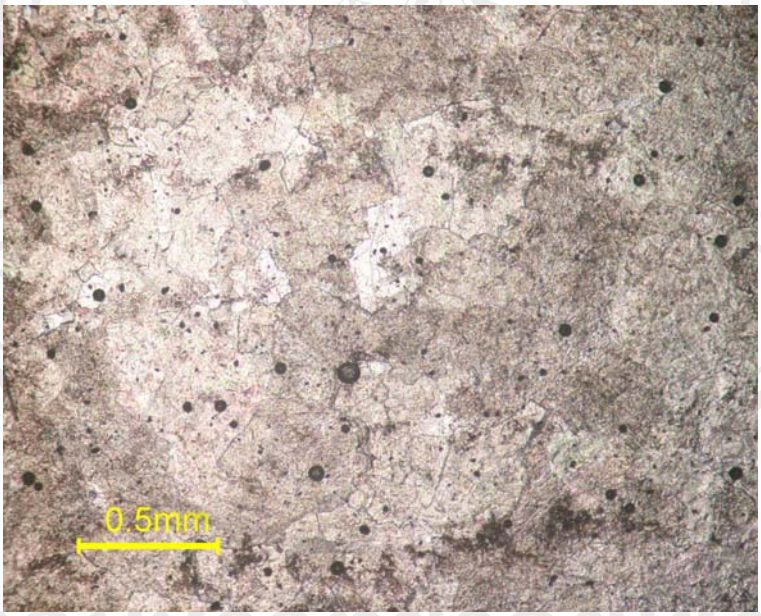
Description

Dolomite microfacies.

The petrography shows a coarsely crystalline dolomite with a fair proportion of straight boundaries. The fabric could be described as planar subhedral. A planar fabric where most of the crystals are euhedral, and the intercrystal pore-space has been filled with a post-dolomitisation calcite cement.

E 4/26



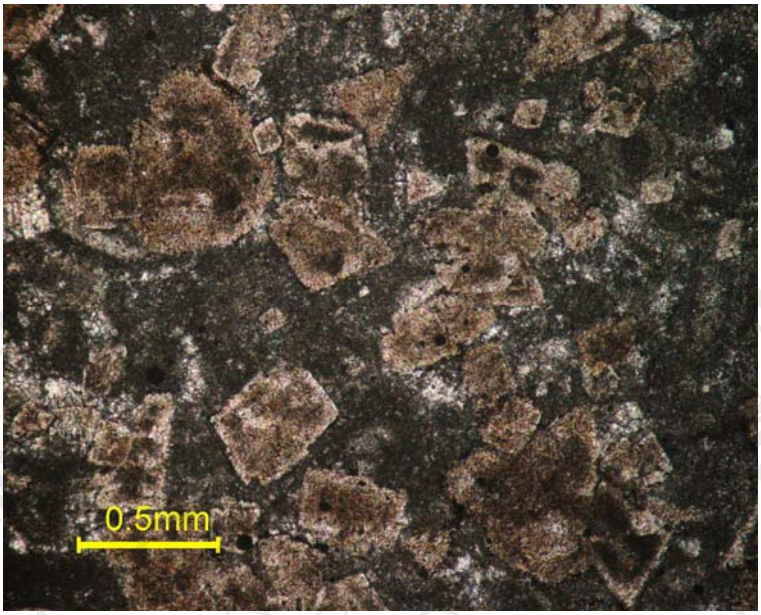


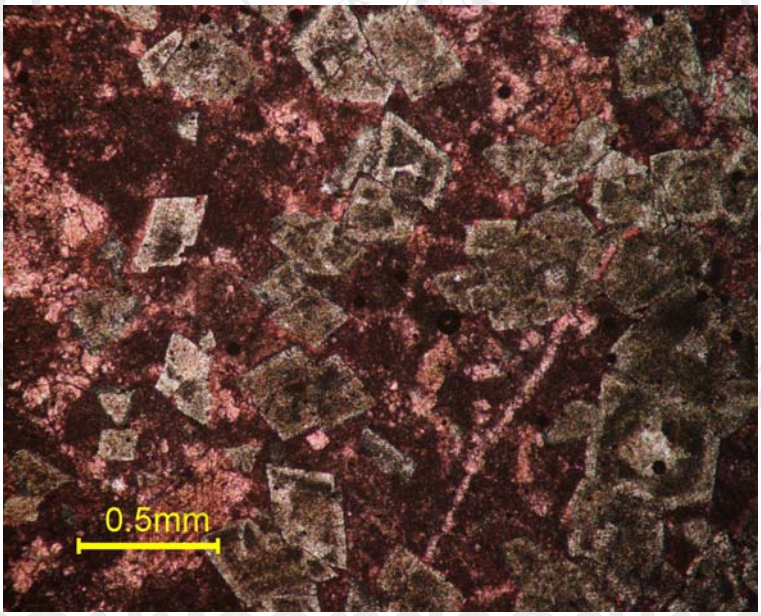
Description

Dolomite microfacies.

The petrography shows a coarsely crystalline dolomite with a fair proportion of straight boundaries. The fabric could be described as planar subhedral. A planar fabric where most of the crystals are euhedral, and the intercrystal pore-space has been filled with a post-dolomitisation calcite cement.

E 4/27



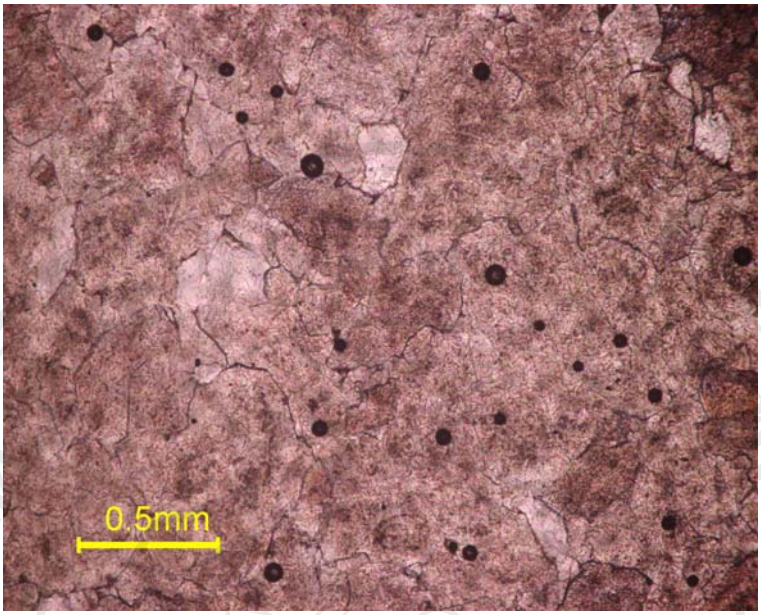


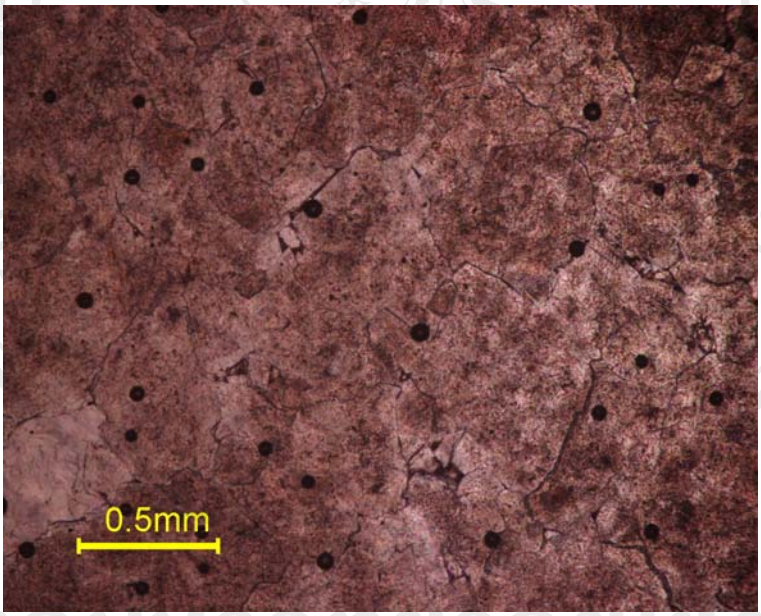
Description

Oosparite microfacies.

The petrography shows the outline of ooid grains. The bioclasts grains are small forams, echinoderm plate and shell fragments. The diameter of ooid grains are about 0.375 mm. to 0.525 mm. The cement is microspar type. Some dolomite crystals are found. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.25 mm. to 0.55 mm. and subhedral to euhedral in shape.

E 4/28



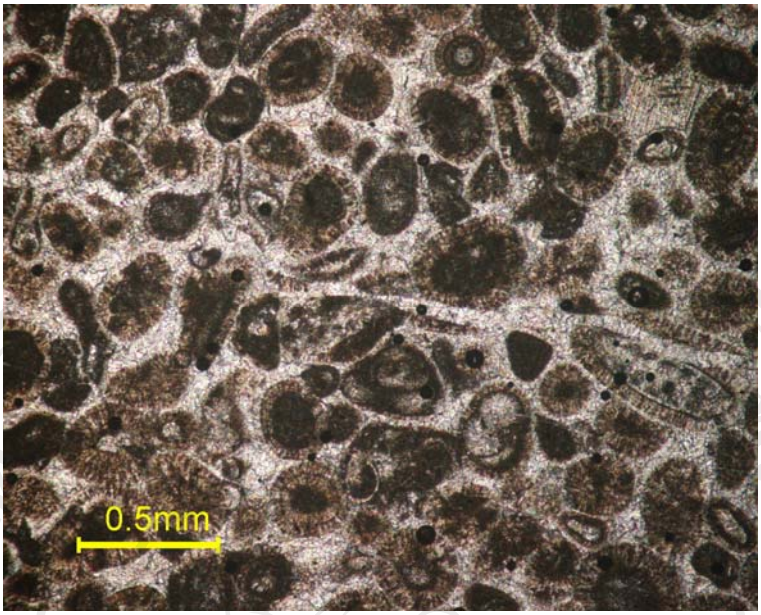


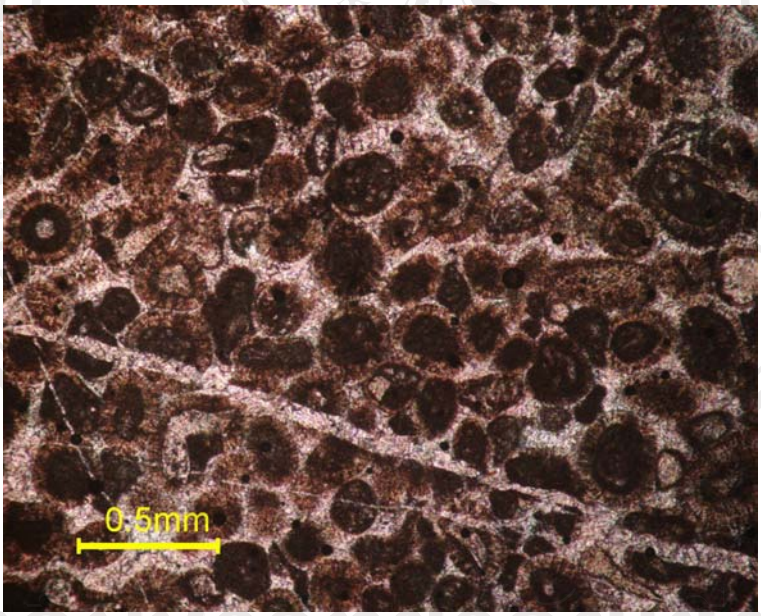
Description

Dolomite microfacies.

The petrography shows a coarsely crystalline dolomite with a fair proportion of straight boundaries. The fabric could be described as planar subhedral. A planar fabric where most of the crystals are euhedral, and the intercrystal pore-space has been filled with a post-dolomitisation calcite cement.

E 4/29



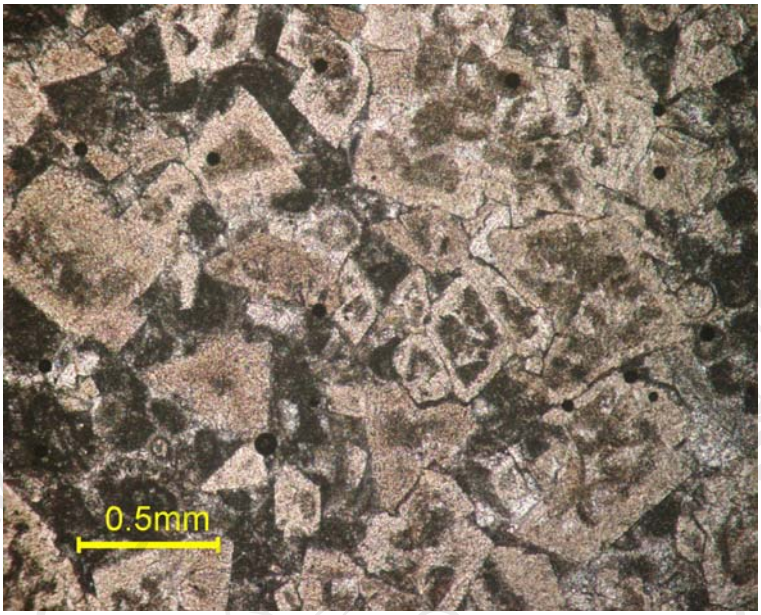


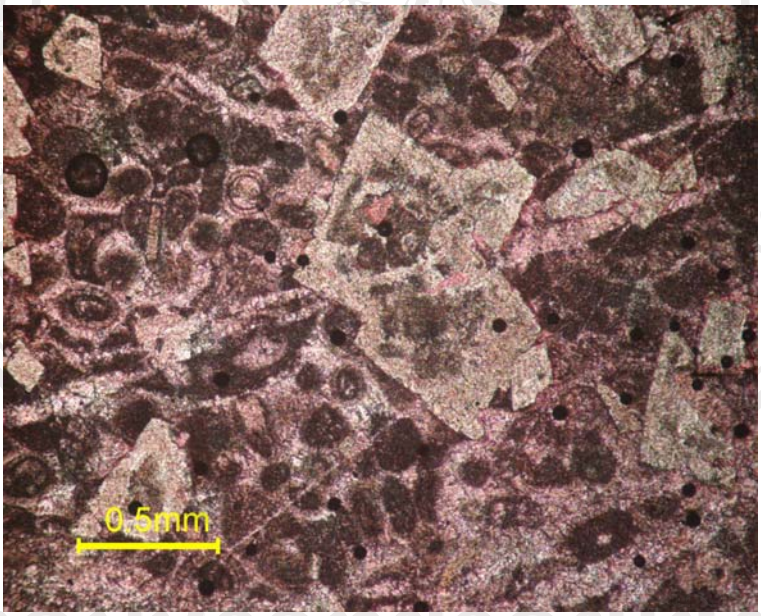
Description

Oosparite microfacies.

The ooid grains dominant, other are peloid, and intraclasts. The bioclasts grains are small forams, echinoderm plate, phylloid algae, and shell fragments. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 50%, the peloid 3%, the intraclasts 2%, and the bioclast 5%. The diameter of ooid grains are about 0.325 mm. to 0.55 mm. The diameter of peloid grains are 0.1 mm. to 0.125 mm. The diameter of intraclast grains are 0.75 mm. to 1.25 mm. The cement is sparite.

E 4/30



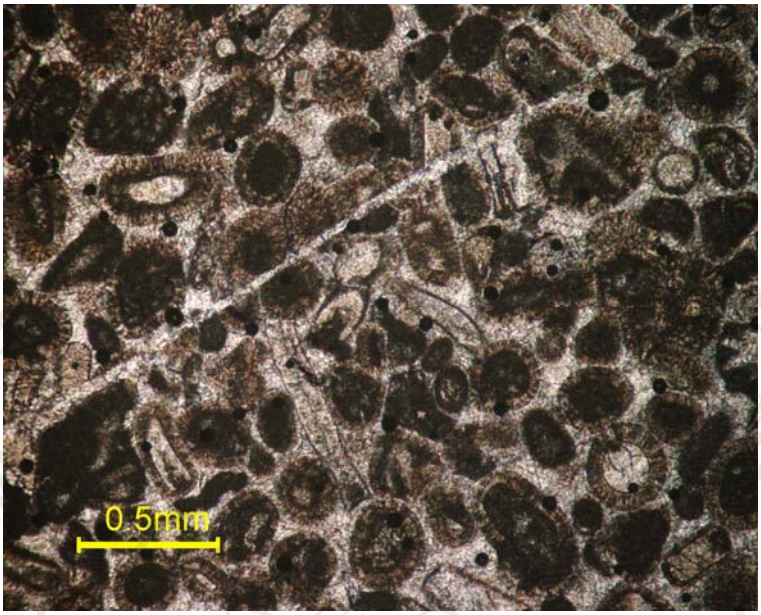


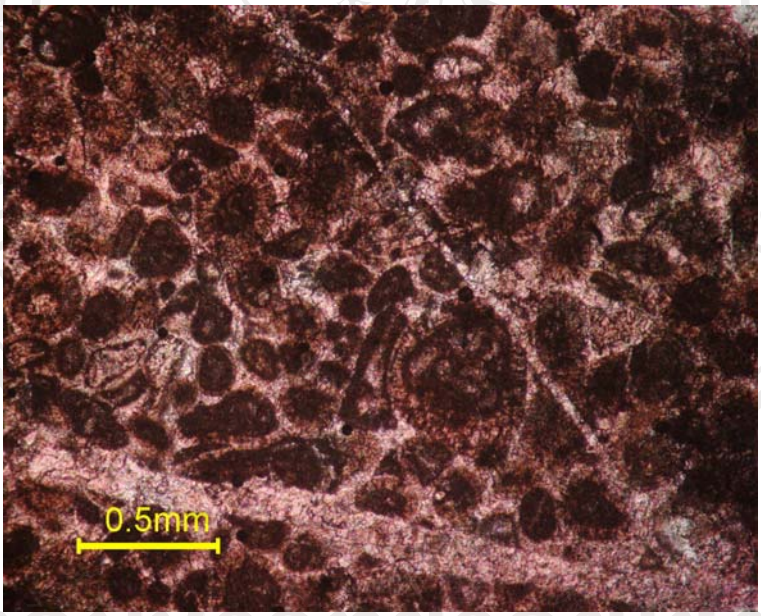
Description

Pelsparite microfacies.

The petrography had shown outline almost of the peloid grains, and some ooid grains. The cement is sparite. The bioclasts are small forams, shell fragment, and brachiopod spine. The diameter of peloid grains are 0.1 mm. to 0.125 mm. The diameter of ooid grains are 0.325 mm. to 0.45 mm. The dolomite crystals are inequicrystal in shape.The crystal sizes of dolomite are between 0.25 mm. to 0.625 mm. and subhedral to euhedral in shape.

E 4/31



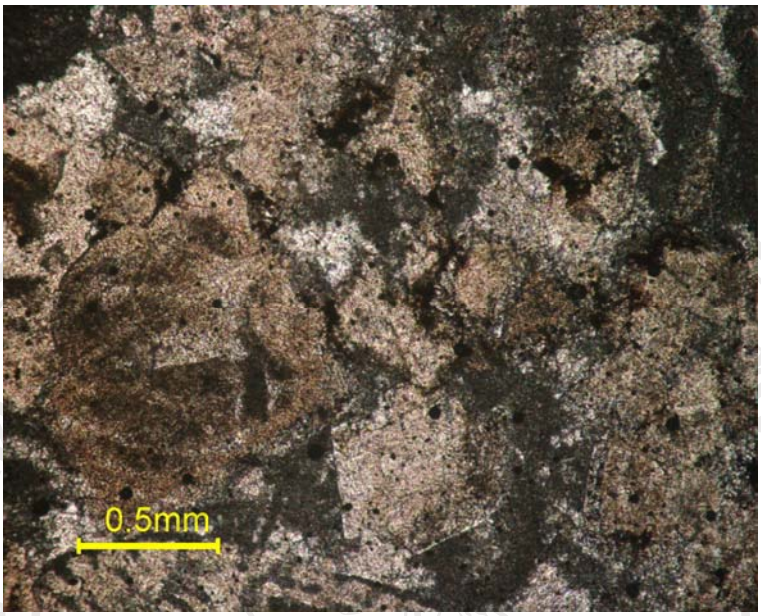


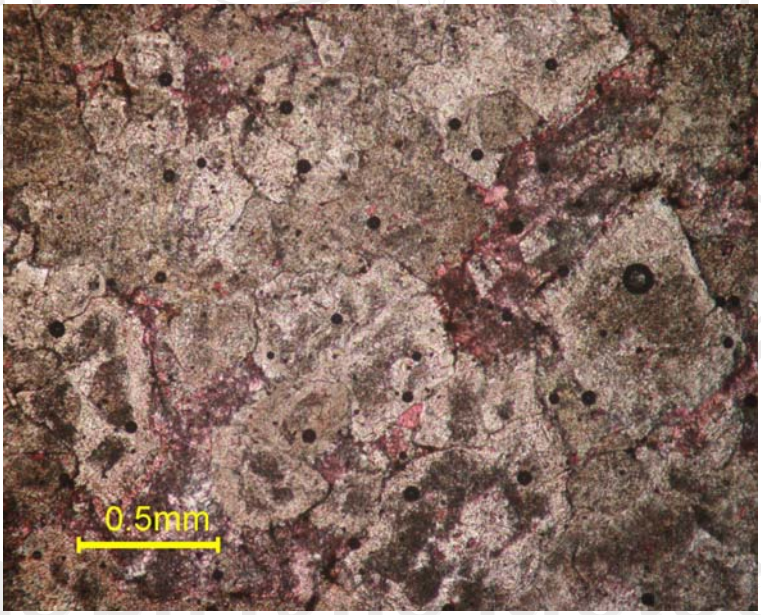
Description

Bimodal-oosparite microfacies.

The ooid grains dominant, other grain is peloid. The bioclasts are small forams, echinoderm plate, brachiopod spine, and phylloid algae. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 40%, the peloid 10%, and the bioclast 10%. The diameter of ooid grains are 0.325 mm. to 0.65 mm. The diameter of peloid grains are 0.1 mm. to 0.225 mm. The cement is drusy sparite. The calcite veins have 2 generation.

E 4/32



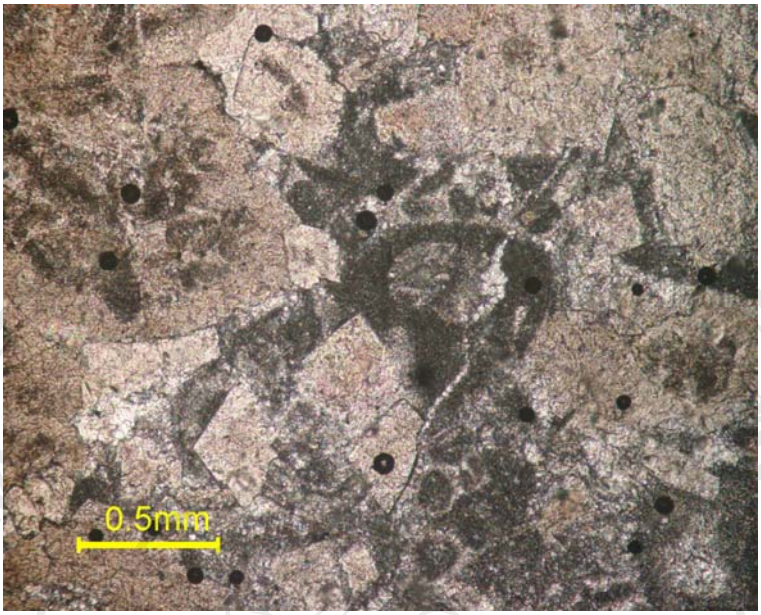


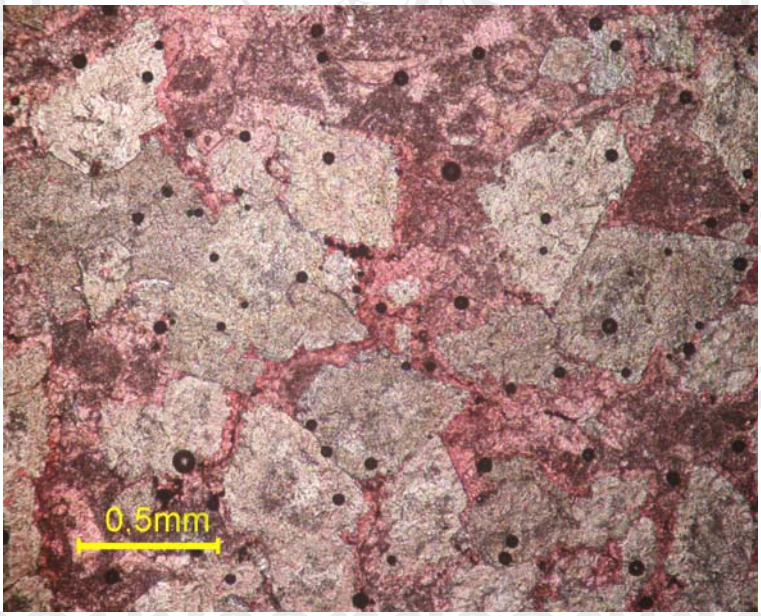
Description

Oosparite microfacies.

The petrography shows the outline of ooid grains. The diameter of ooid grains are about 0.425 mm. to 0.75 mm. The cement is microspar type. Dolomite crystals occurred in the thin section. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.65 mm. to 0.85 mm. and anhedral to subhedral in shape.

E 4/33



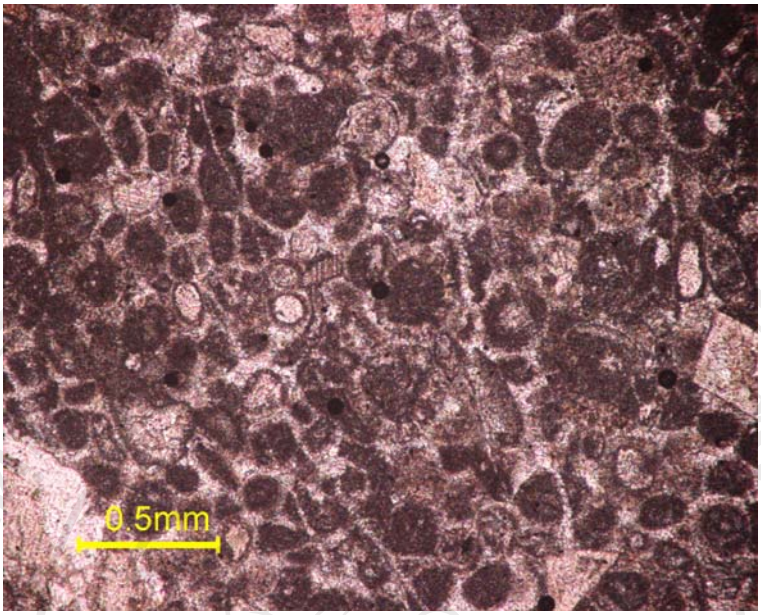


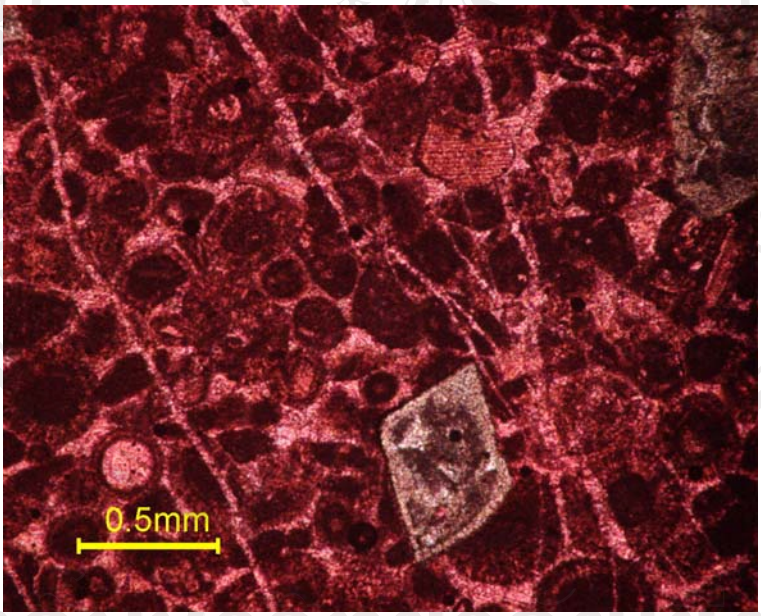
Description

Oosparite microfacies.

The petrography shows the outline of ooid and peloid grains. The diameter of ooid grains are about 0.35 mm. to 0.75 mm. The cement is microspar type. There are dolomite crystals in thin section. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.525 mm. to 0.7 mm. and anhedral to subhedral in shape.

E 4/34



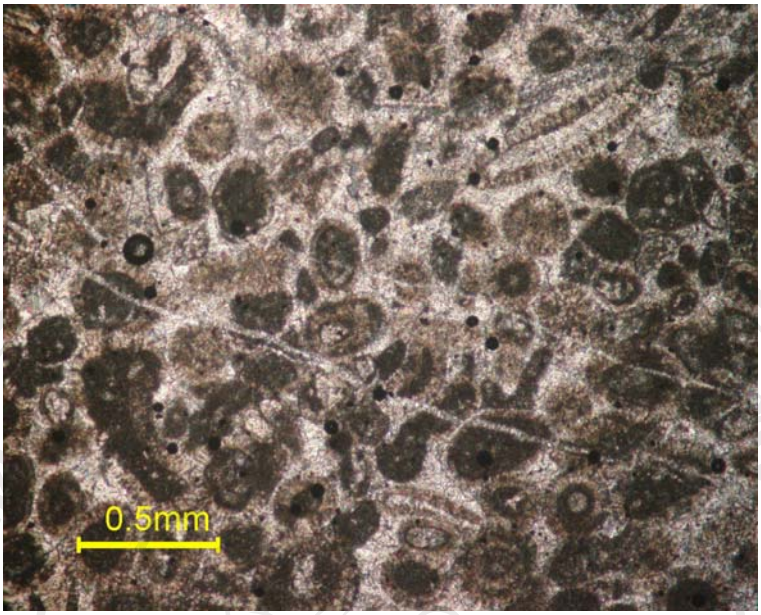


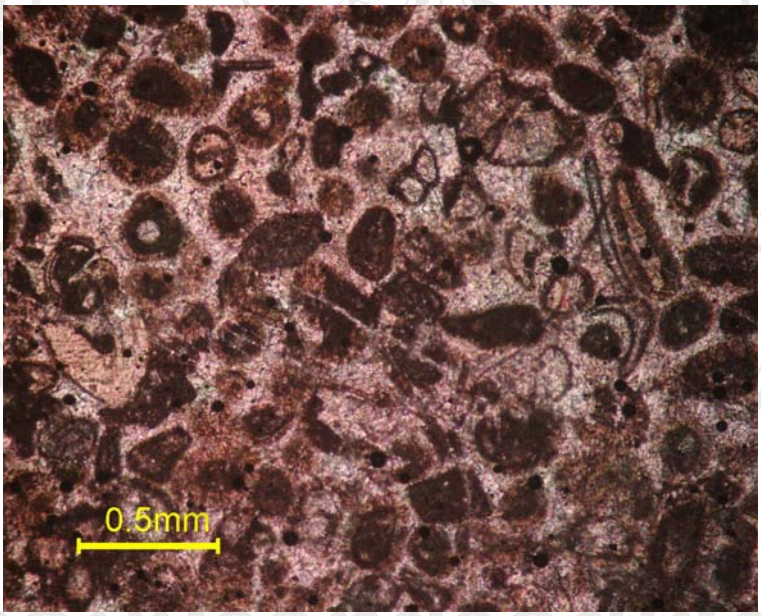
Description

Bimodal-oosparite microfacies.

The ooid grains dominant, other grains are peloid. The bioclasts are small forams, echinoderm plate, brachiopod spine, and calcisphere. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 5%, and the bioclast 5%. The diameter of ooid grains are 0.275 mm. to 0.55 mm. The diameter of peloid grains are 0.175 mm. to 0.225 mm. The cement is drusy sparite. The calcite veins have 2 generation. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.25 mm. to 0.725 mm. and subhedral to euhedral in shape.

E 4/35



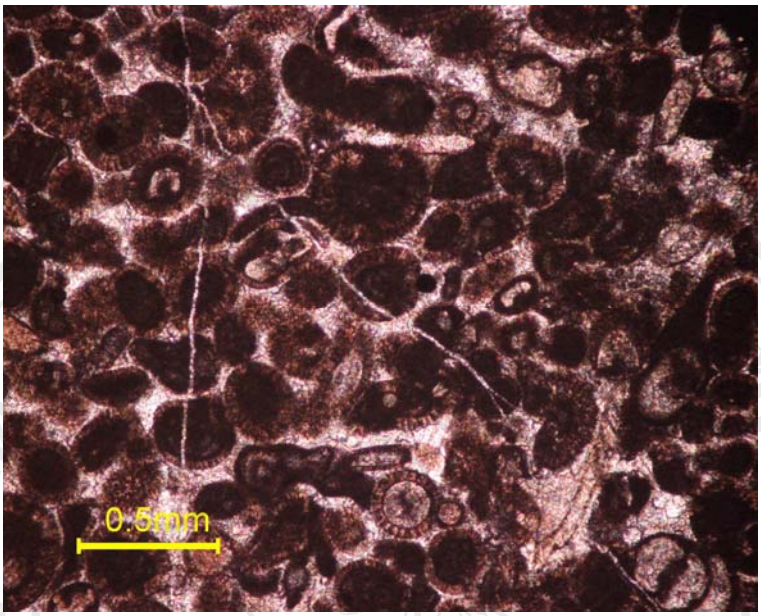


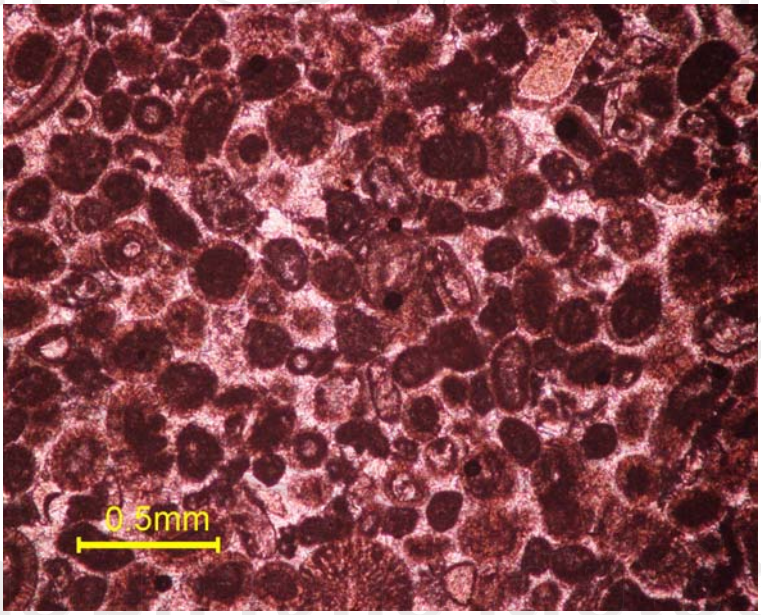
Description

Bimodal-oosparite microfacies.

The ooid grains dominant, other grains are peloid. The bioclasts are small forams, echinoderm plate, brachiopod spine, and calcisphere. The petrography had shown that the allochem 40%, the micrite 0%, the sparite 60%, and the porosity 0%. The allochem are composed of ooid 35%, the peloid 2%, and the bioclast 3%.The diameter of ooid grains are 0.275 mm. to 0.725 mm. The diameter of peloid grains are 0.1 mm. to 0.175 mm. The cement is drusy sparite. The calcite veins have 2 generation.

N 4/1



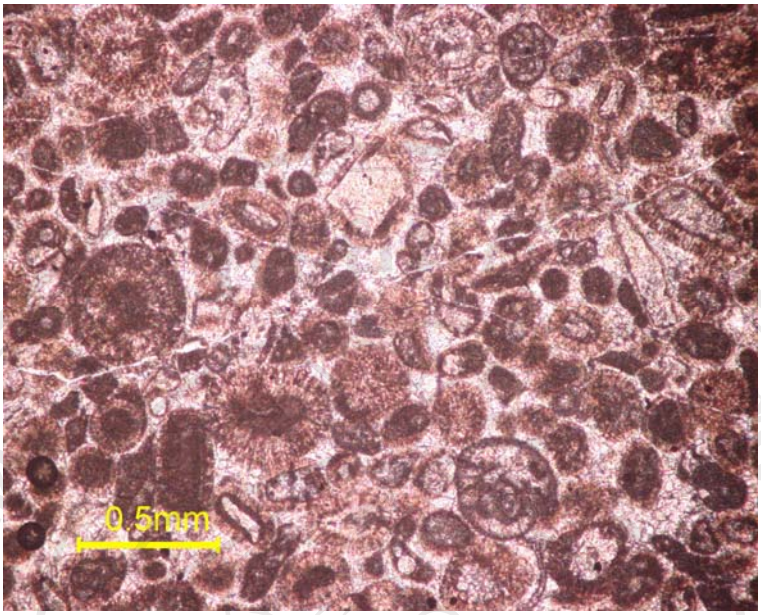


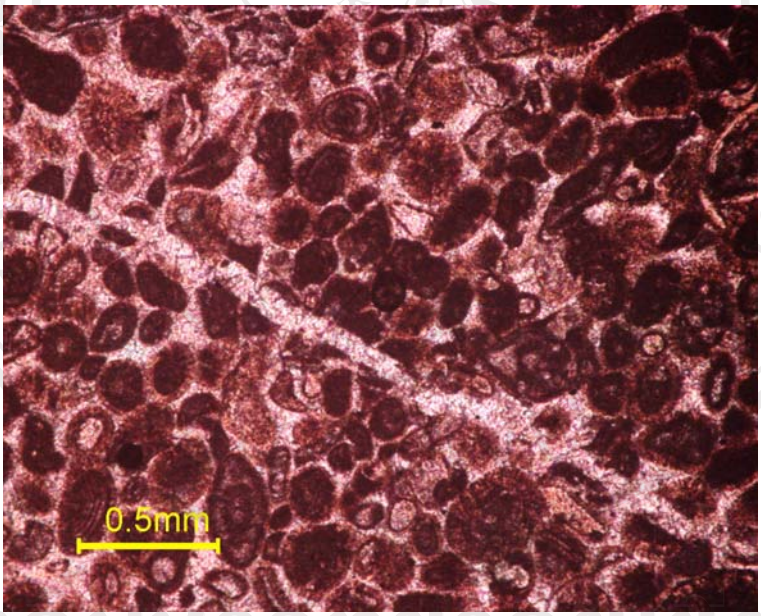
Description

Bimodal-oosparite microfacies.

The ooid grains have differnt nucleous type. Such as carbonate mud nucleus, forams nucleus. The bioclasts are small forams, echinoderm plate, brachiopod spine, and shell fragment. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 5%, and the bioclast 5%. The diameter of ooid grains are 0.35 mm. to 0.825 mm.The cement is drusy sparite. The calcite veins have 2 generation.

N 4/2



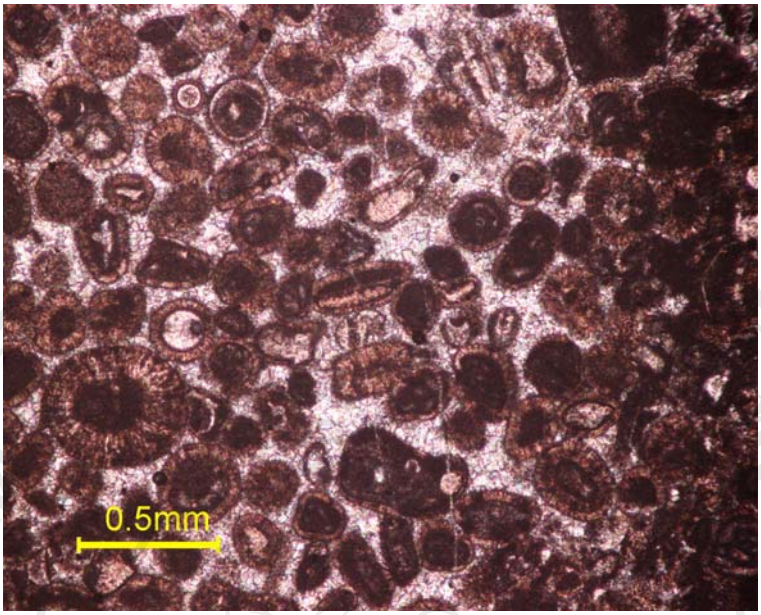


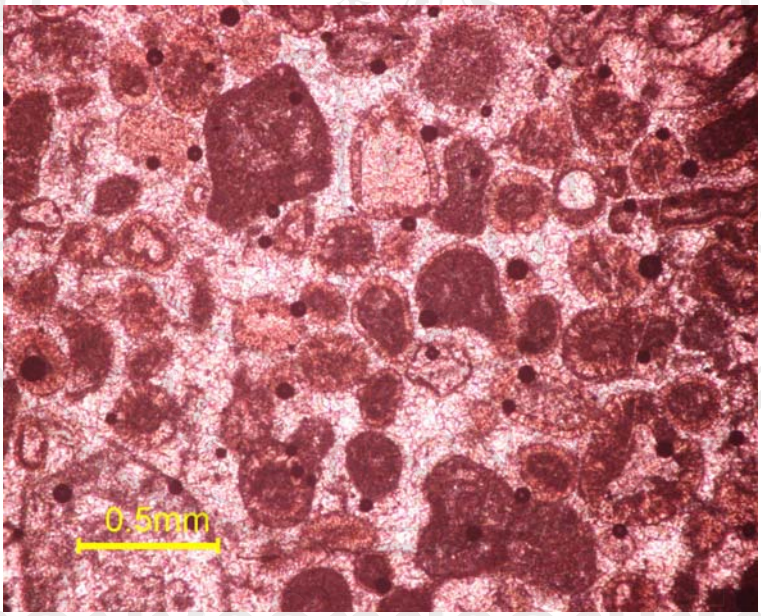
Description

Bimodal-oosparite microfacies.

The ooid grains dominate, other grain are peloid, and intraclast. The ooid grains have different nucleous types, carbonate mud nucleus, some are forams nucleus. The bioclasts are smaller forams, echinoderm plate, brachiopod spine, and shell fragment. The petrography had shown that the allochem 50%, the micrite 0%, the sparite 50%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 5%, and the bioclast 10%. The diameter of ooid grains are 0.275 mm. to 0.475 mm. The diameter of peloid grains are 0.225 mm. to 0.3 mm. The diameter of intraclast grains are about 0.925 mm. The cement is drusy sparite. The calcite veins have 2 generation.

N 4/3



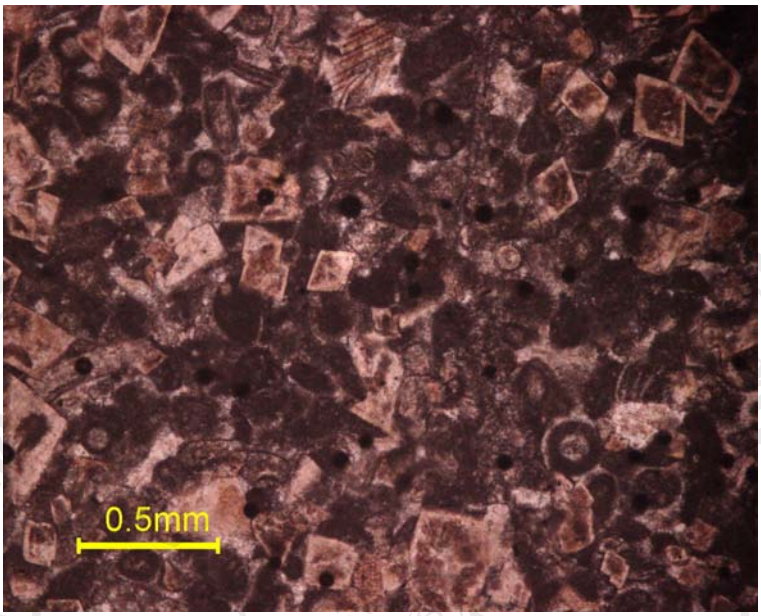


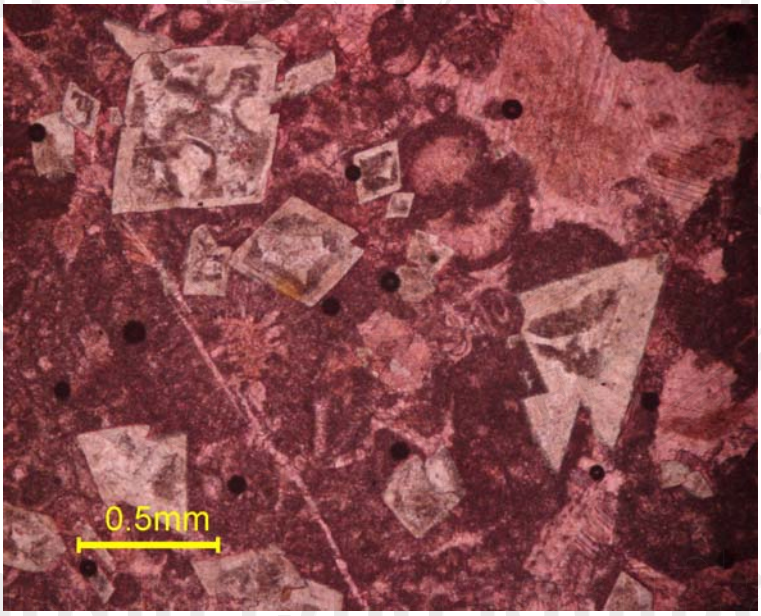
Description

Bimodal-oosparite microfacies.

The ooid grains dominate, other grains are intraclast. The ooid grains have different nucleous type, carbonate mud nucleus, some are forams nucleus. The bioclasts are smaller forams, echinoderm plate, brachiopod spine, coral fragment and shell fragment. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 5%, and the bioclast 5%. The diameter of ooid grains are 0.375 mm. to 0.575 mm. The diameter of intraclast grains are about 0.775 mm. to 0.825 mm. The cement is drusy sparite. The calcite veins have 2 generation.

N 4/4



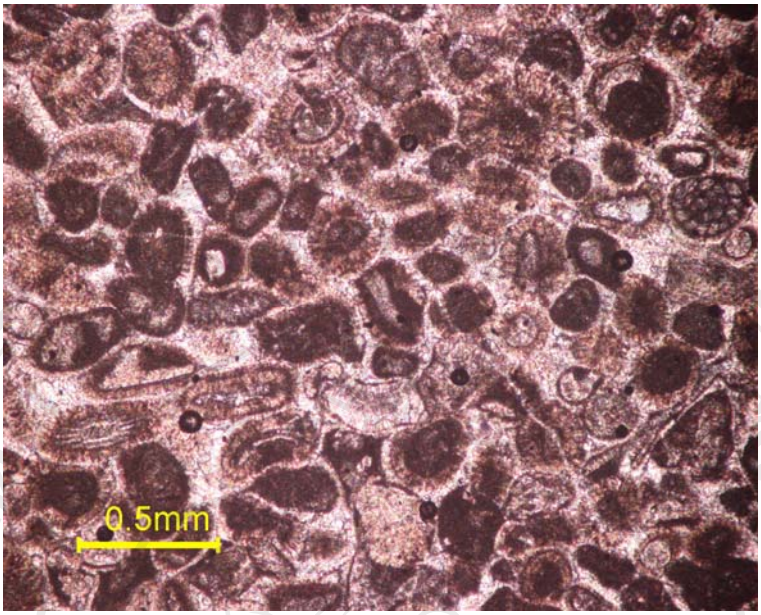


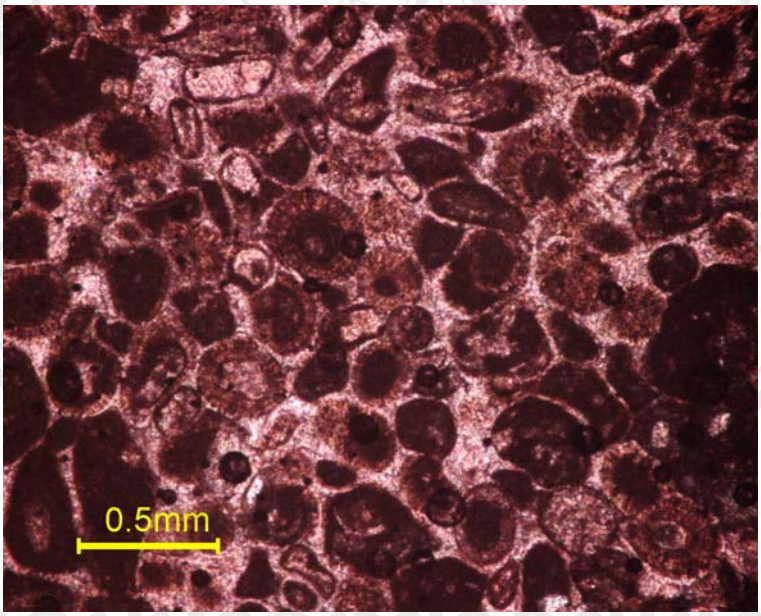
Description

Pelsparite microfacies.

The petrography had shown outline of the peloid grains dominate, another grains are ooid grains. The cement is sparite. The bioclasts are small forams, and calcisphere. The diameter of peloid grains are 0.225 mm. to 0.325 mm. The diameter of ooid grains are 0.375 mm. to 0.775 mm. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.275 mm. to 0.875 mm. and subhedral to euhedral in shape.

N 4/5



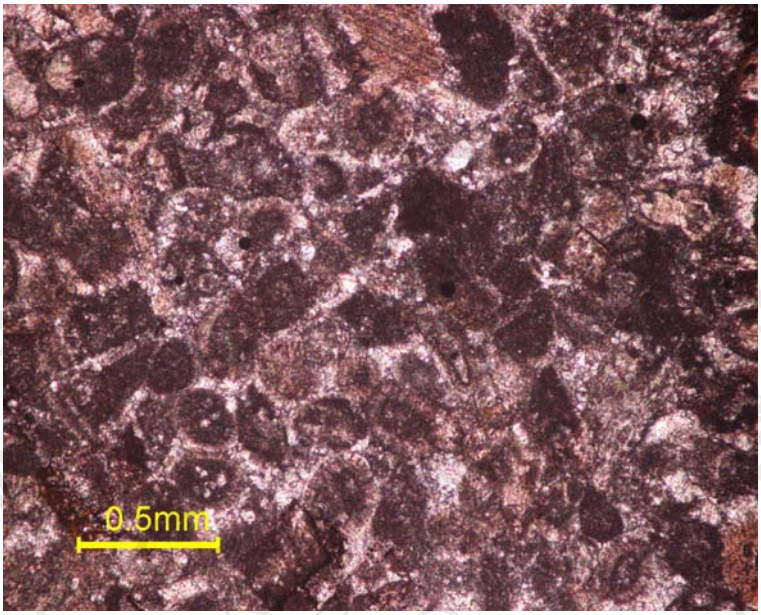


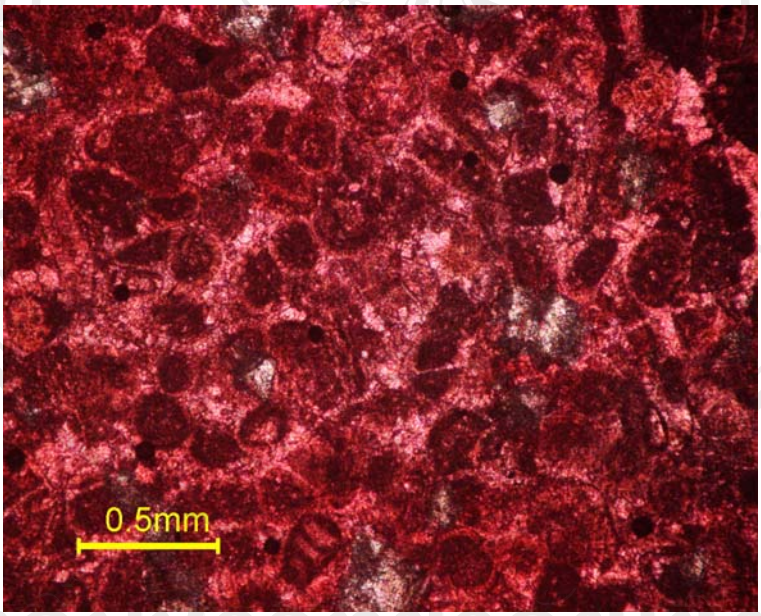
Description

Bimodal-oosparite microfacies.

The ooid grains dominant, other grains are intraclast, and peloid. The ooid grains have different nucleous type. There are carbonate mud nucleus, some are forams nucleus. The bioclasts are smaller forams, coral fragment and shell fragment. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 40%, the peloid 10%, the intraclasts 5%, and the bioclast 5%. The diameter of ooid grains are 0.275 mm. to 0.525 mm. The diameter of intraclast grains are about 0.675 mm. to 1.375 mm. The diameter of peloid grains are 0.15 mm. to 0.175 mm. The cement is drusy sparite. The calcite veins have 2 generation.

N 4/6



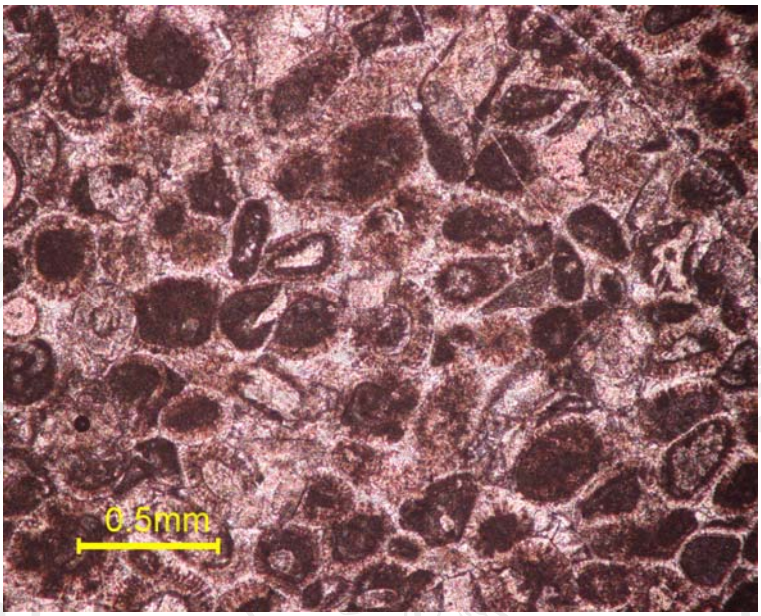


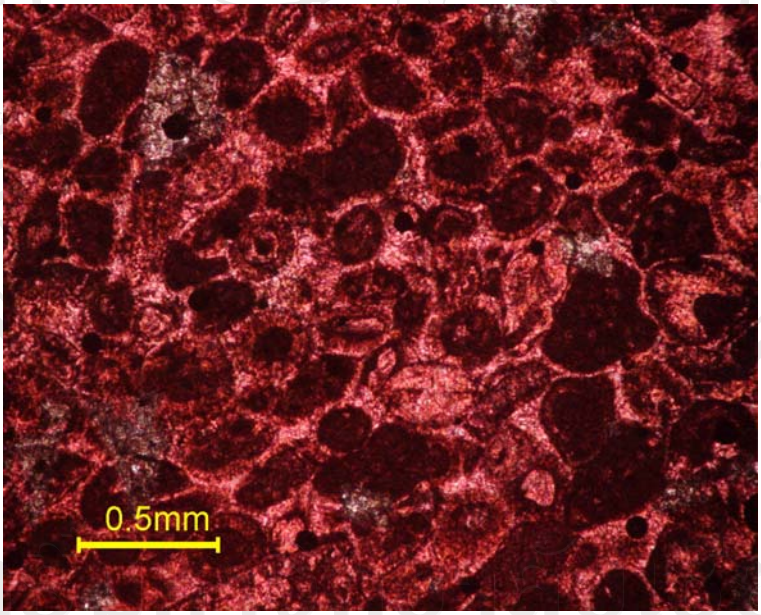
Description

Oosparite microfacies.

The petrography shows the outline of ooid and peloid grains. The diameter of ooid grains are about 0.275 mm. to 0.425 mm. The diameter of peloid grains are 0.175 mm. to 0.225 mm. The cement is microspar type. There are dolomite crystals. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.525 mm. to 0.675 mm. and anhedral to subhedral in shape. The calcite veins have 2 generation.

N 4/7



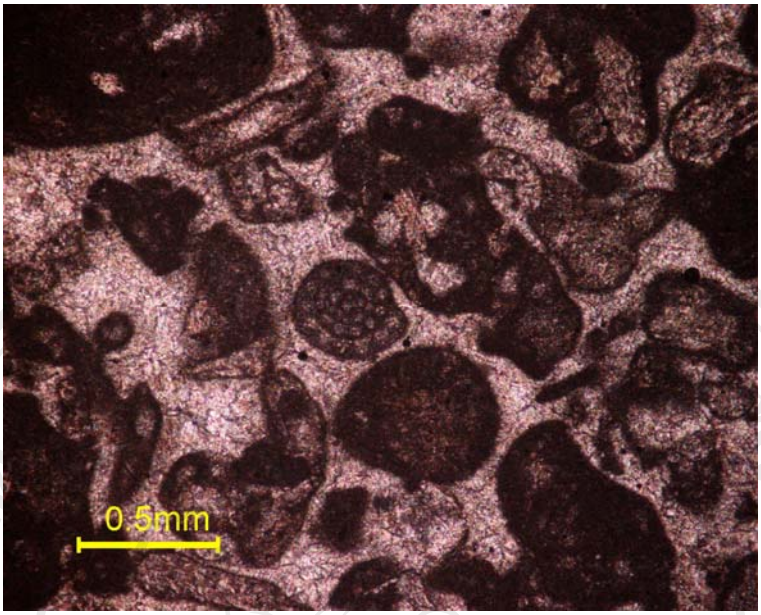


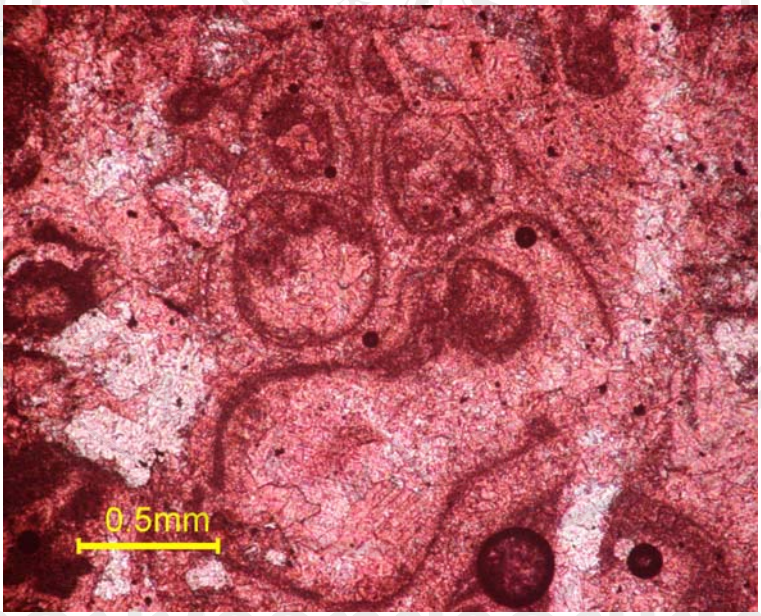
Description

Oosparite microfacies.

The petrography shows the outline of ooid and peloid grains. The diameter of ooid grains are 0.325 mm. to 0.475 mm. The diameter of peloid grains are 0.1 mm. to 0.15 mm. The cement is sparite. There are dolomite crystals. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.45 mm. to 0.675 mm. and anhedral to subhedral in shape. The calcite veins have 2 generation.

N 4/8



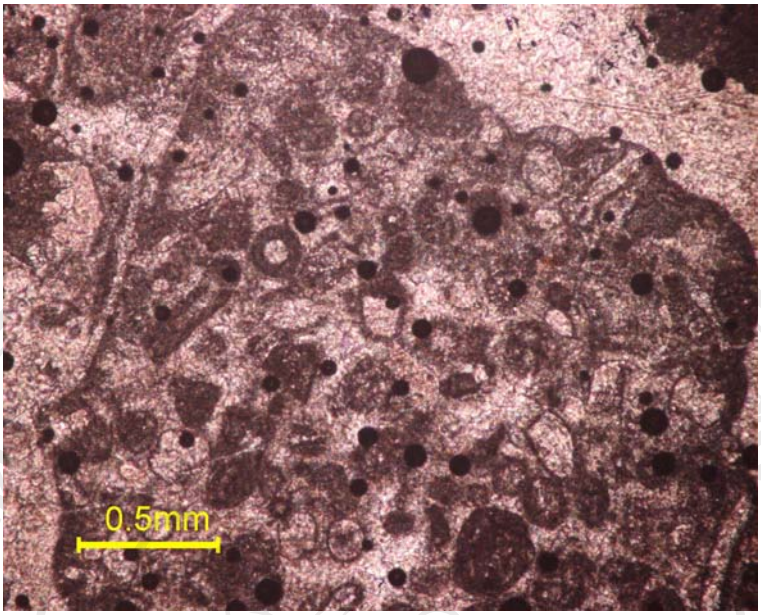


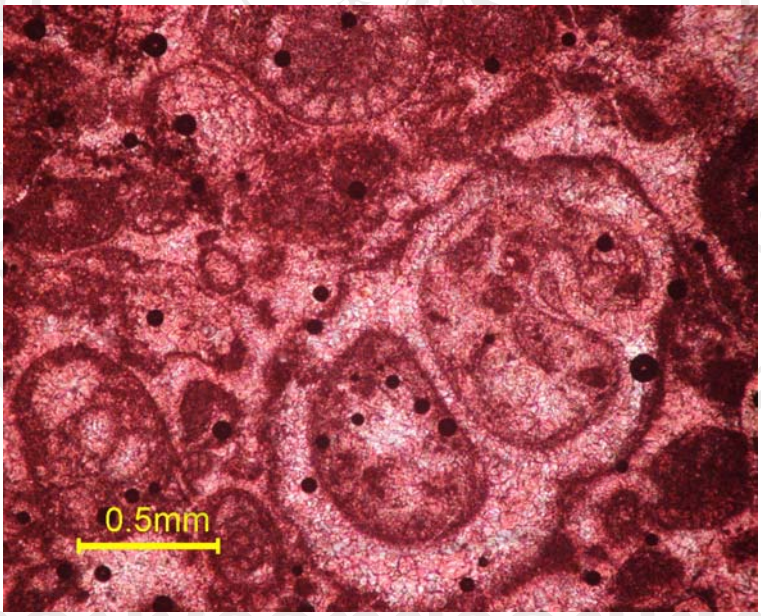
Description

Intrasparite microfacies.

The grains compose of intraclasts, peloid, and bioclasts. The intraclasts are fragments of biomicrite. The bioclasts are gastropod, small forams, and echinoderm plate. The gastropods are significant to this microfacies. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are intraclasts 40%, peloid 5%, and bioclasts 15%. The diameter of intraclast are 3.375 mm. to 4.5 mm. The cement is sparite; fibrous rim and drusy cement. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.275 mm. and 0.825 mm., anhedral to subhedral in shape. The calcite veins have 2 generation.

N 4/9



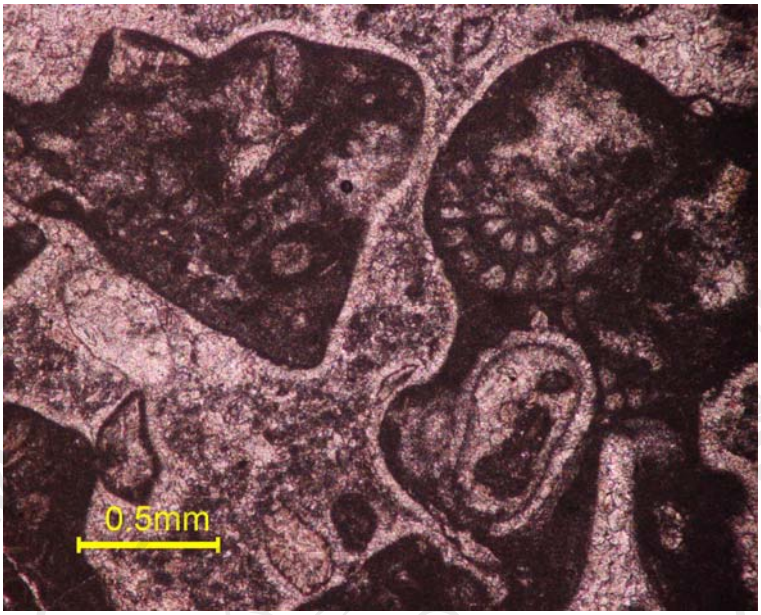


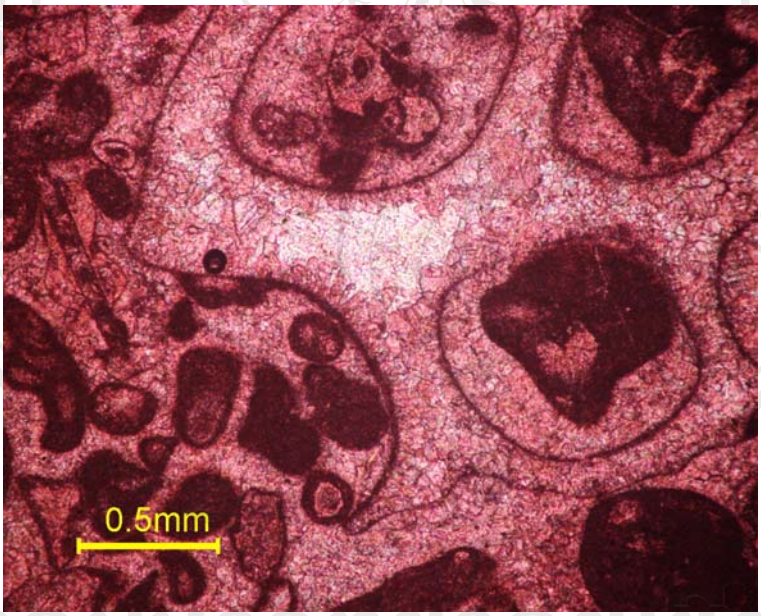
Description

Intrasparite microfacies.

The grains compose of intraclasts, peloid, and bioclasts. The intraclasts are biomicrite fragments (ostracod,calcisphere, and smaller forams). The bioclasts are gastropod, small forams, and echinoderm plate. The petrography had shown that the allochem 50%, the micrite 0%, the sparite 50%, and the porosity 0%. The allochem are intraclasts 40%, peloid 5%, and bioclasts 15%. The gastropods are significant to this microfacies. The diameter of intraclast grains are 1.325 mm. to 3.5 mm. The cement is sparite, including fibrous rim and drusy cement.

N 4/10



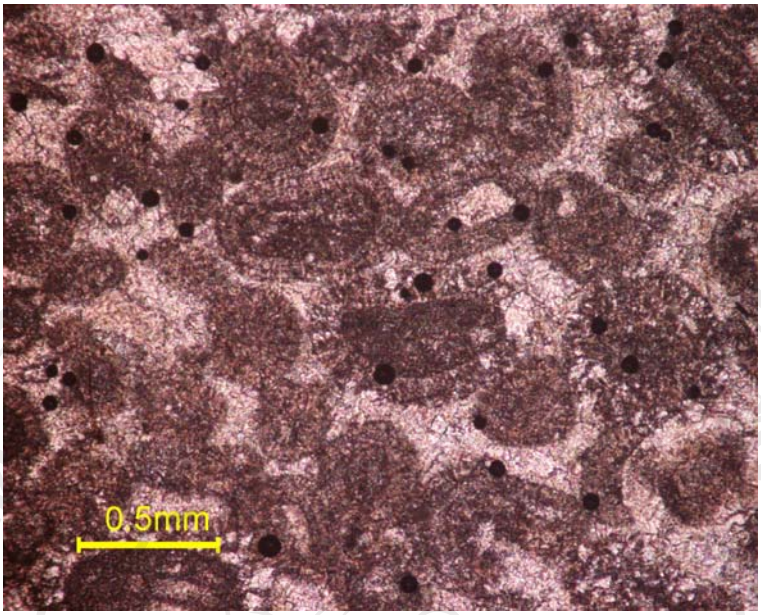


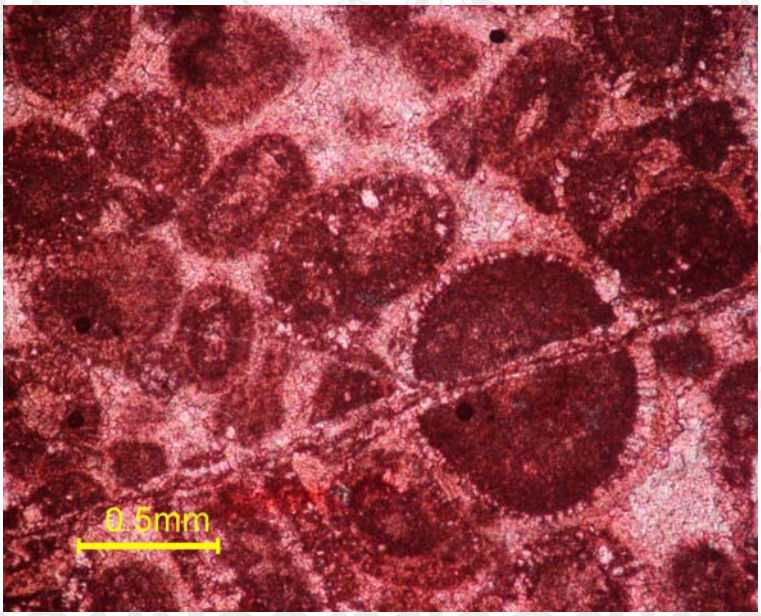
Description

Intrasparite microfacies.

The grains compose of intraclasts, peloid, and bioclasts. The intraclasts are biomicrite fragments (ostracod,calcisphere, and smaller forams). The bioclasts are gastropod, small forams, and echinoderm plate. The petrography had shown that the allochem 50%, the micrite 0%, the sparite 50%, and the porosity 0%. The allochem are intraclasts 45%, peloid 5%, and bioclasts 10%. The gastropods are significant to this microfacies. The diameter of intraclast grains are 0.875 mm. to 1.5 mm. The cement is sparite, including fibrous rim and drusy cement.

N 4/11



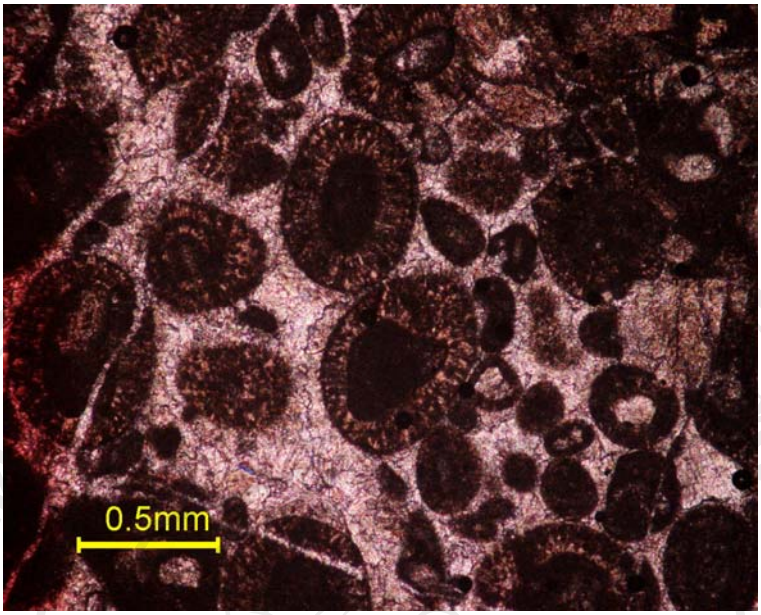


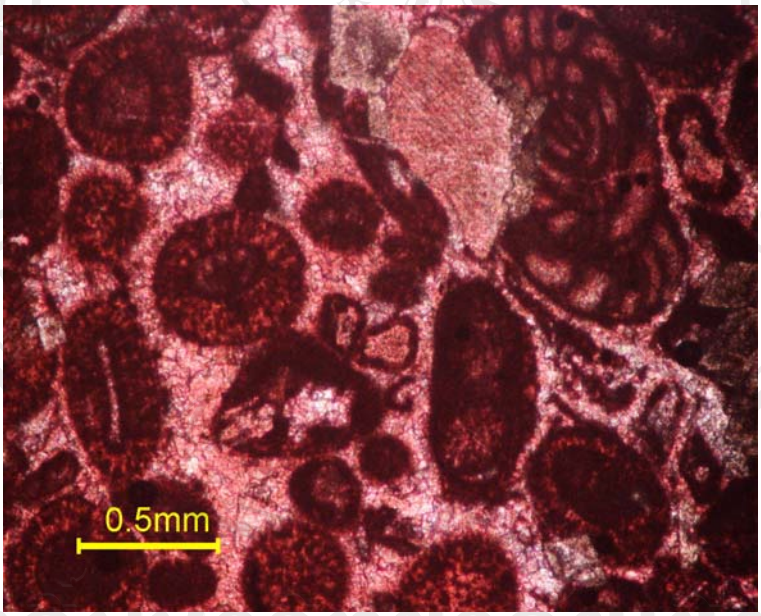
Description

Bimodal-oosparite microfacies.

The diameter of ooid grains are 0.275 mm. to 1.025 mm. The cement is sparite. There are dolomite crystals. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The petrography had shown that the allochem 55%, the micrite 0%, the sparite 45%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 3%, the intraclasts 2%, and the bioclast 5%. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.375 mm. to 0.725 mm. and anhedral to subhedral in shape. The calcite veins developed in 2 generation.

N 4/12



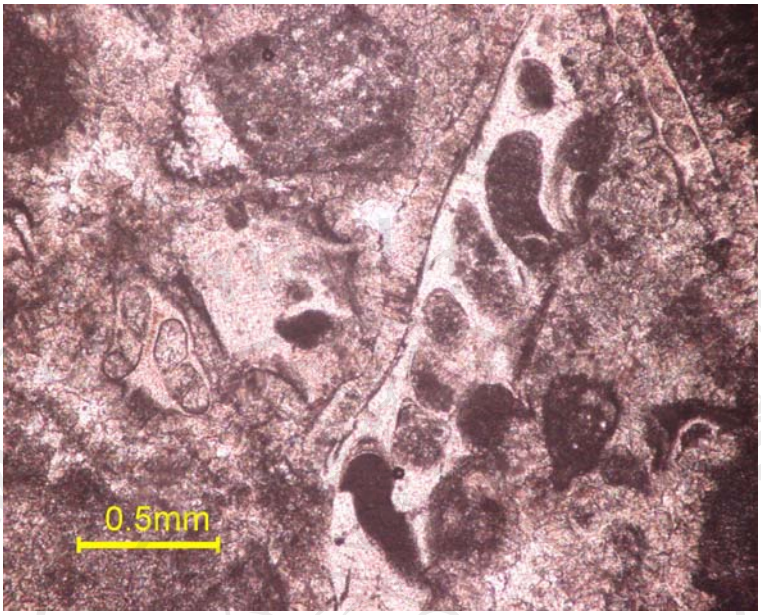


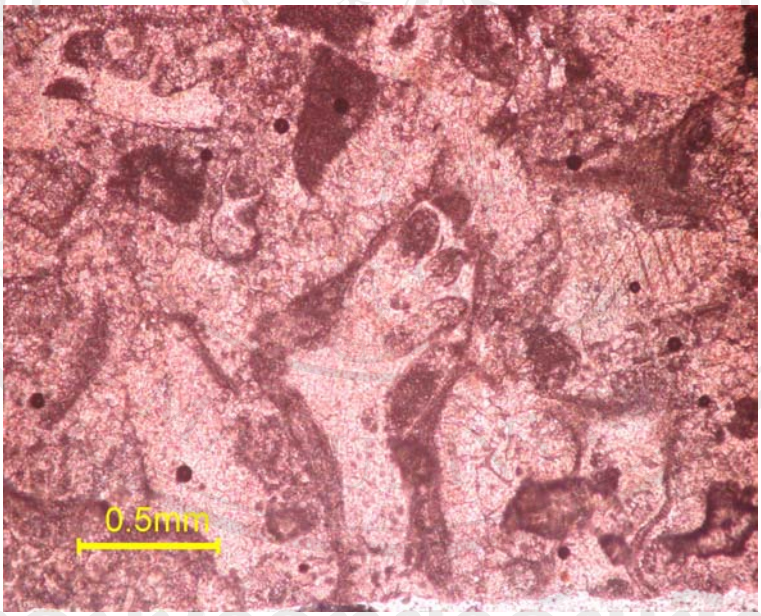
Description

Bimodal-oosparite microfacies.

The diameter of ooid grains are 0.375 mm. to 0.675 mm. The cement is sparite. There are dolomite crystals. The crystals show preservation of the original fabric of the rock as mimicking or mimetic dolomites. The petrography had shown that the allochem 60%, the micrite 0%, the sparite 40%, and the porosity 0%. The allochem are composed of ooid 45%, the peloid 5%, the intraclasts 5%, and the bioclast 5%. The dolomite crystals are inequicrystal in shape. The crystal sizes of dolomite are between 0.225 mm. to 0.425 mm. and anhedral to subhedral in shape. The calcite veins developed in 2 generation.

CD 92(1)



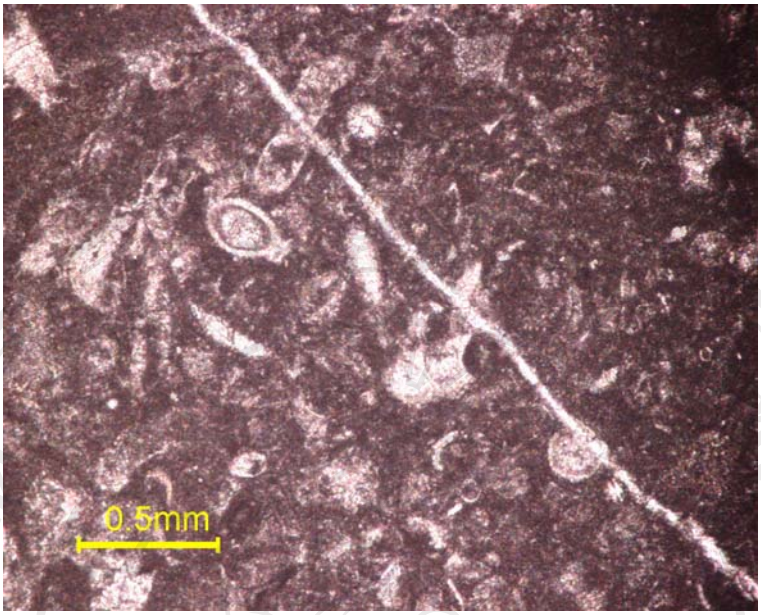


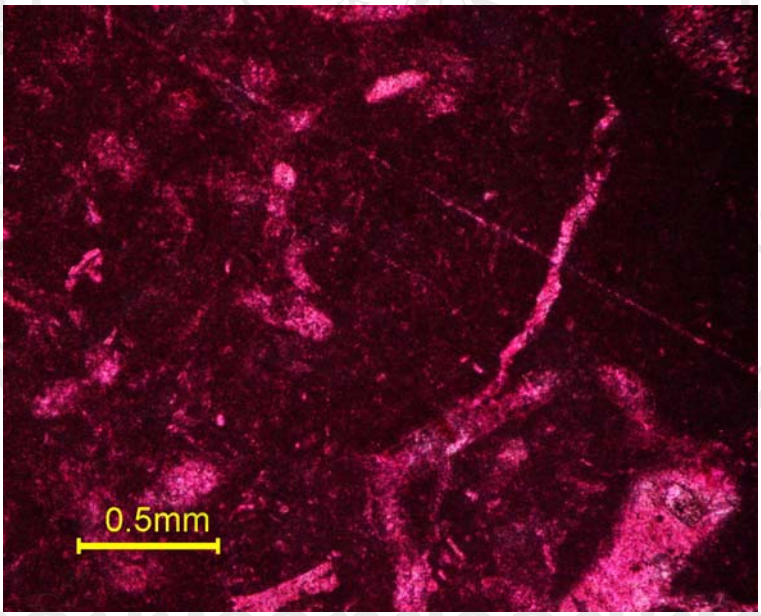
Description

Biosparite microfacies

Most of bioclastic grains are dasycladaceans, calcareous green algae, shell fragment, echinoderm plate, bryozoa, ostracod, and small forams. The lengths of dasyclads are 0.325 mm. to 3.0 mm. The petrography had shown that the allochem 40%, the micrite 0%, the sparite 60%, and the porosity 0%. The allochem are bioclasts 35%, and intraclast 5%. The diameters of intraclast grains size between 0.375 mm. and 0.75 mm. Some dolomite crystals are found. The crystals size is about 0.425 mm. and subhedral to euhedral in shape.

CD 92(2)



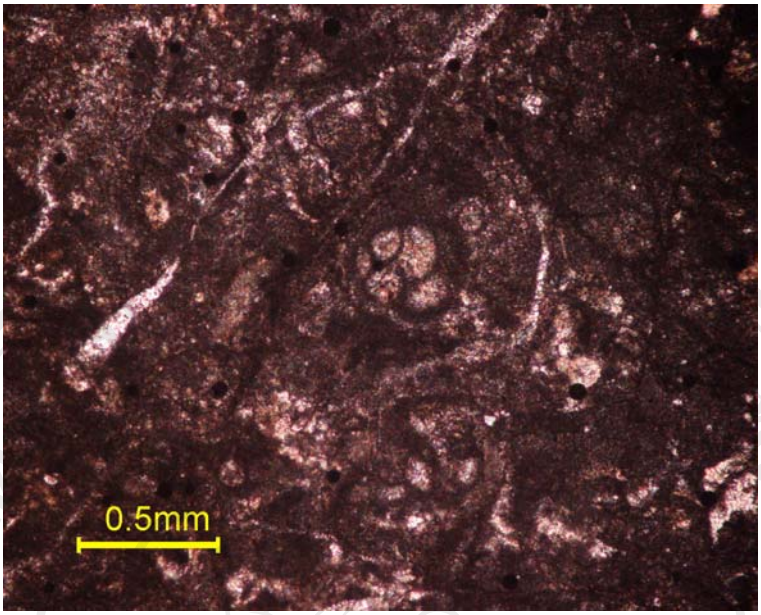


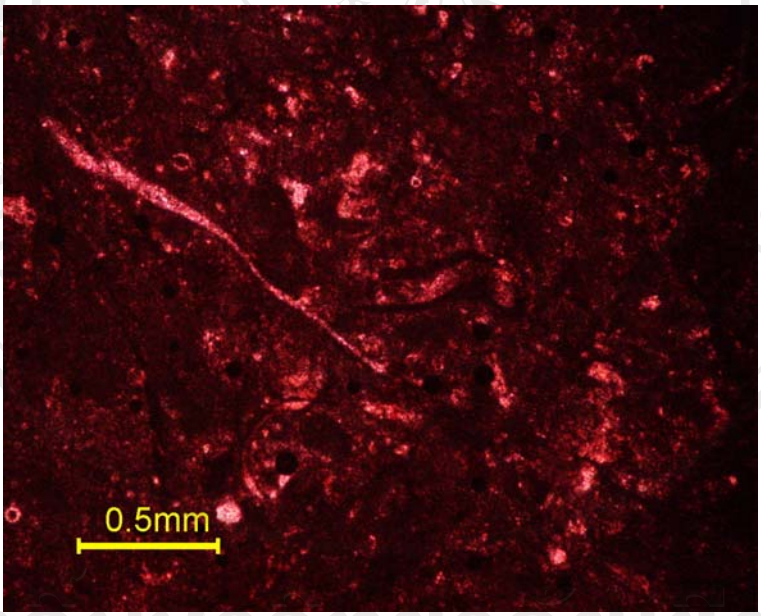
Description

Biomicrite microfacies

The bioclastic grains are the phylliod (the calcareous green algae), other are shell fragment, echinoderm plate, bryozoa, coral (hexaphyllia), brachiopod spine, calcisphere, ostracod, and small forams. The petrography had shown that the allochem 40%, the micrite 60%, the sparite 0%, and the porosity 0%. The allochem are bioclasts. The lengths of dasyclads are 0.4 mm. to 2.375 mm. The matrix is micrite.

CD 4



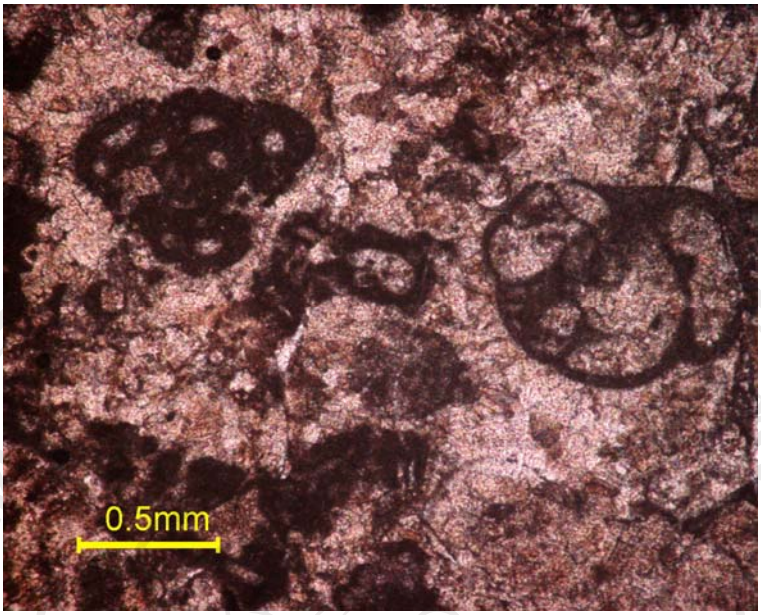


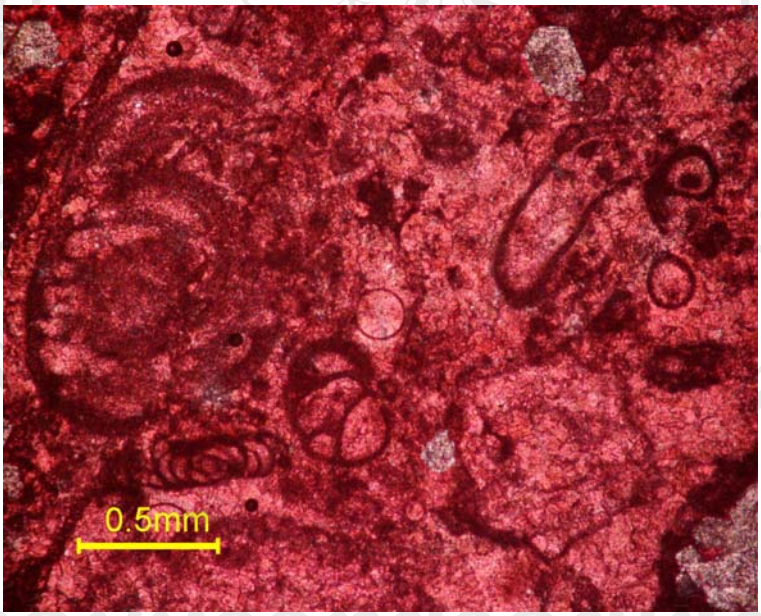
Description

Biomicrite microfacies

The bioclastic grains are phylliod (the calcareous green algae), shell fragment, echinoderm plate, bryozoa, coral (hexaphyllia), brachiopod spine, calcisphere, ostracod, and small forams. The matrix is micrite. The petrography had shown that the allochem 40%, the micrite 60%, the sparite 0%, and the porosity 0%. The allochem are bioclasts.

CD 93



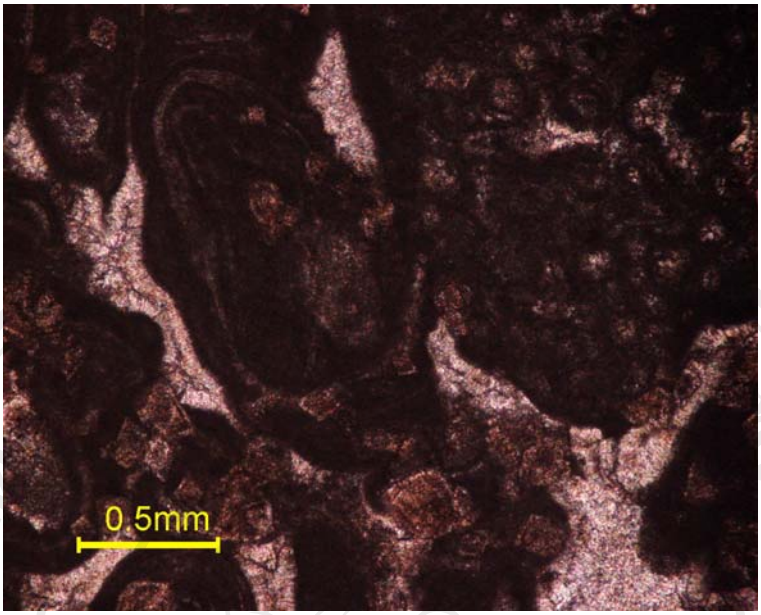


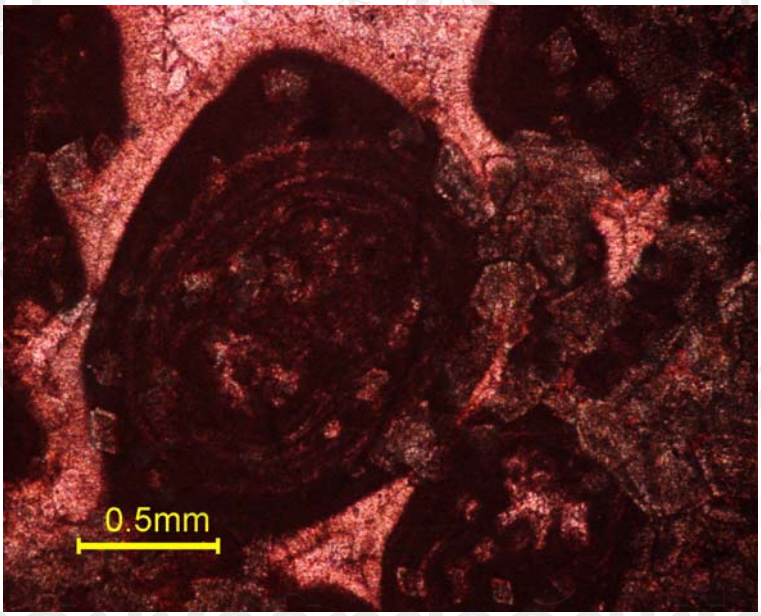
Description

Biosparite microfacies

The bioclast compose of small forams eg. *Eolasiodiscus sp.*, *Endothyranopsis sp.*, *Biseriella parva.* The cement is sparite.

CD 93.1



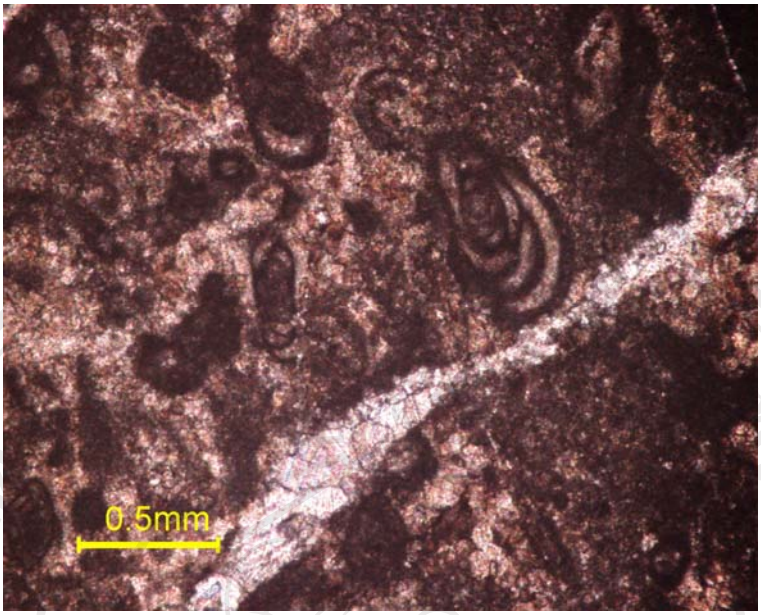


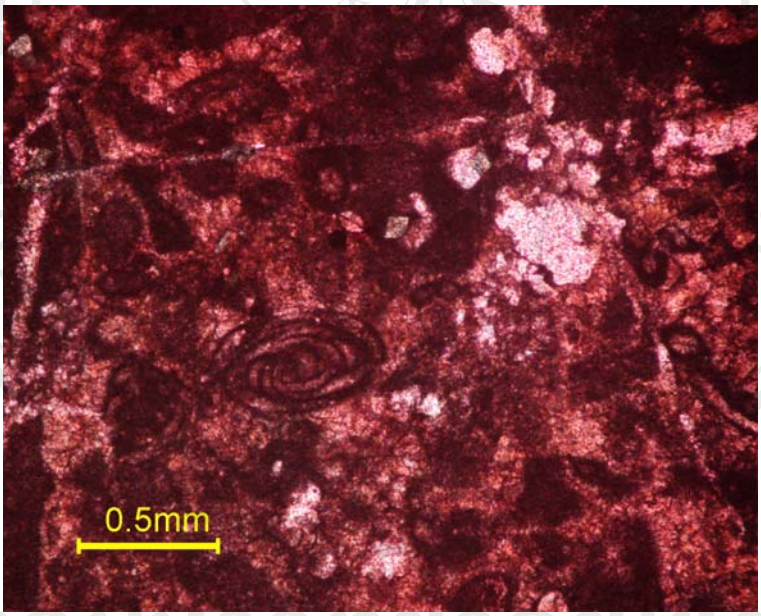
Description

Oncoidsparite microfacies.

The oncoid grain sizes are 1.25 mm. to 3.375 mm. Other grains are ooid, cortoid, and intraclast. The cement hastwo generation, first is fibrous-rim cement and the second is drusy cement. The petrography had shown that the allochem 50%, the micrite 0%, the sparite 50%, and the porosity 0%. The allochem are composed of oncoid 30%, the ooid 10%, the cortoid 5%, the intraclasts 3%, and the bioclast 2%. The diameter of ooid grain sizes are 0.325 mm. to 0.525 mm. The diameter of intraclast grain sizes are 1.075 mm. to 2.35 mm. The bioclasts are small forams, dasyclads, and gastropod fragment. Some dolomite crystals are found, the crystal sizes are about 0.275 mm. and euhedral to subhedral in shape. The crystals are show the cloudy centres and clear rims feature.

CD 1



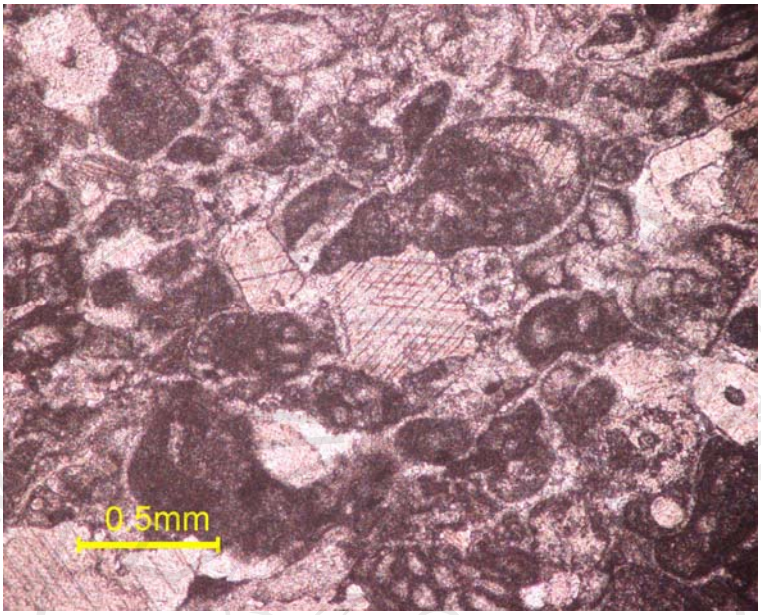


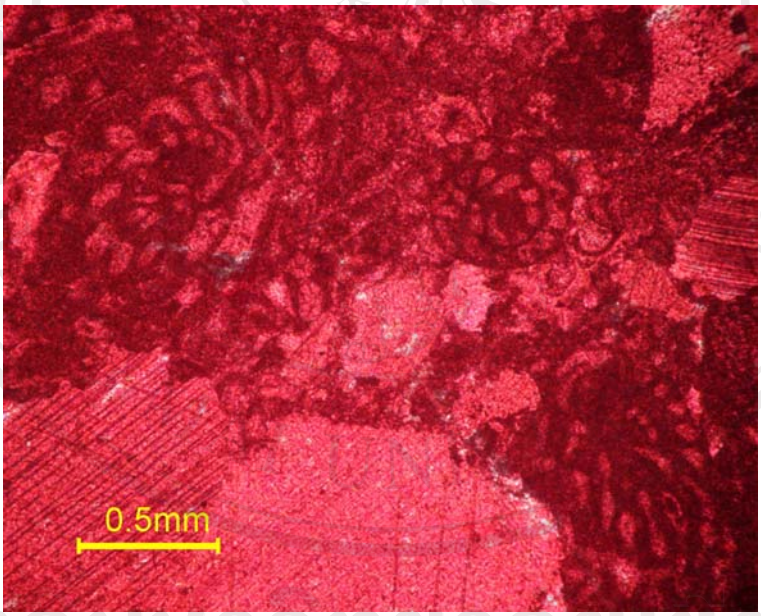
Description

Biosparite microfacies

Most of bioclast are smaller forams. The cement is sparite.

CD 3





Description

Biosparite microfacies

The bioclasts are smaller forams and echinoderm plate. The cement is sparite.

CURRICULUM VITAE

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