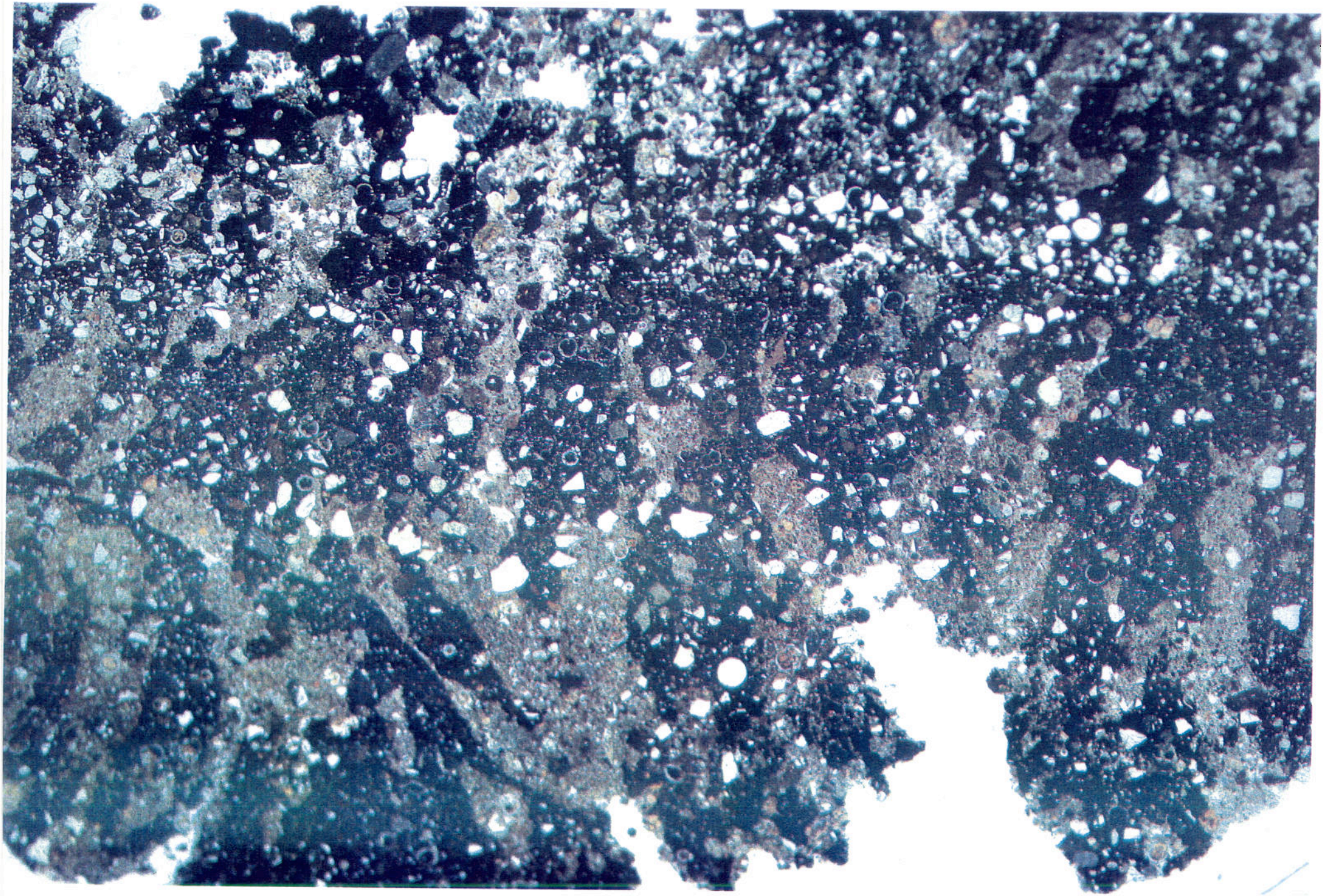
D8-27



D8-27

Petrographic Descriptions

Cruise ID TT192

Sample # D8-27

Stratabound oxide Layer

~~Stratabound oxide-replaced Sandstone~~

Stratabound oxide-cemented Sandstone ✓

Fe-Mn Crust

Mn Textures:

Dense
- Massive
- Laminated
  - Planar
  - Wavey

Colloform
- Columnar
- Laminated
- Aggregate Radial

Stockwork

Crystal Form: Radial-fibrous Spherulitic Aligned Tabular Euhedral Void Fill

Dendritic Mn cement w/ sandstone (no mn) between dendrites. Top of sample has molds of Forams in the Mn cement, dendrites not as developed. Bottom of sample has Foram tests unaltered. Between dendrites cement is not as [illegible] matrix of VRF [illegible] and Forams.

Grain Supported yes, grain supported

Cement Supported

Fracture Orientation

Fracture Fill

Porosity

Alteration and replacement of grains

Photo(s) Taken of

SEM:

Microprobe

Grain Counts

	Unaltered	Altered
Volcanic Rock Fragments		
Volcanic Glass		
Mineral Grains		
Pyroxene		
Olivine		
Plagioclase		
K-spar		
Amphibole		
Quartz		
Others		
Microfossils		
Others		
Matrix		
Pore Space		
Mn Cement		
Other Cements		

Transmitted Light: Volcaniclastic Sand, Coarse.

Forams [illegible] leached after [illegible]; but other forams in the [illegible] unaffected (not leached)