D8-5
check diffractogram
is the pyrite actually
hematite

Petrographic Descriptions

Cruise ID TT192

Sample # D8-5

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

[illegible] olive green to green brown is viewed [illegible]

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

[illegible] ←

Grain Supported

Cement Supported

Fracture Orientation

Fracture Fill

Porosity

Alteration and replacement of grains

Photo(s) Taken of

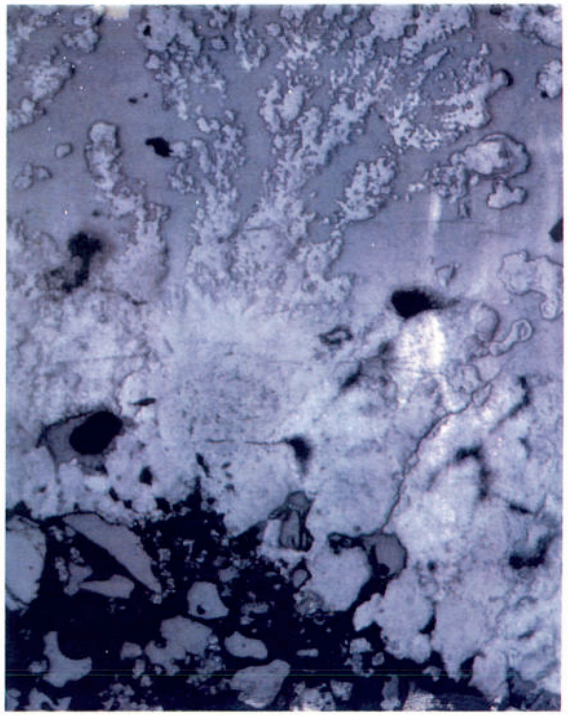
SEM:

Microprobe

Grain Counts

	Unaltered	Altered
35	Volcanic Rock Fragments	
8	Volcanic Glass	
	Mineral Grains	
5	Pyroxene	
	Olivine	
17	Plagioclase	
	K-spar	
	Amphibole	
1	Quartz	
	Others	
	Microfossils	
	Others	
11	Matrix	
11	Pore Space	
92	Mn Cement	
	Other Cements	

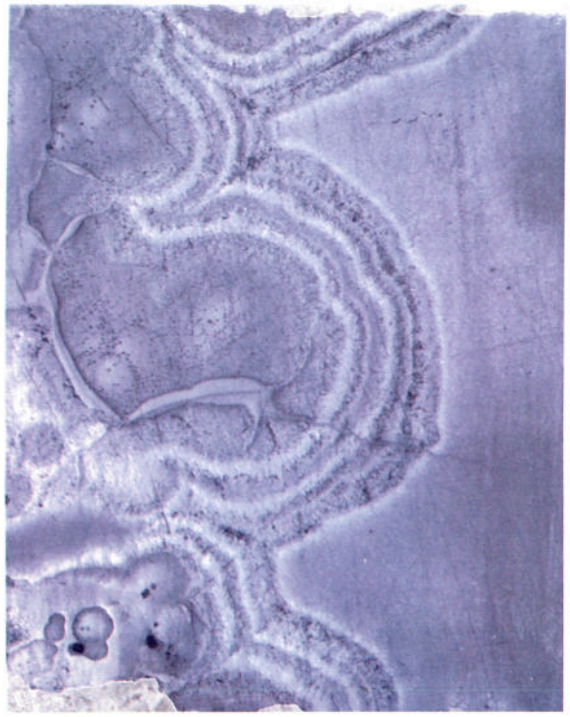
Transmitted light



D8-5 10×10 , [illegible]

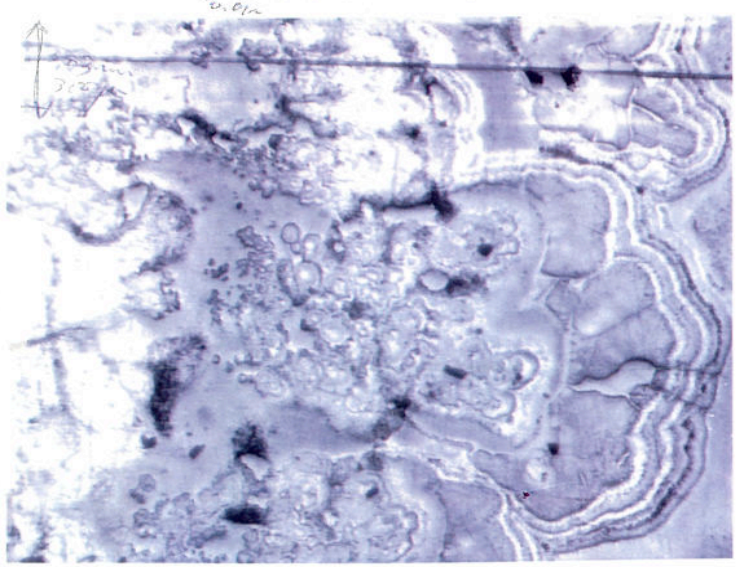
Dendritic [illegible]

D8-5 20×10



banded radial fibrous

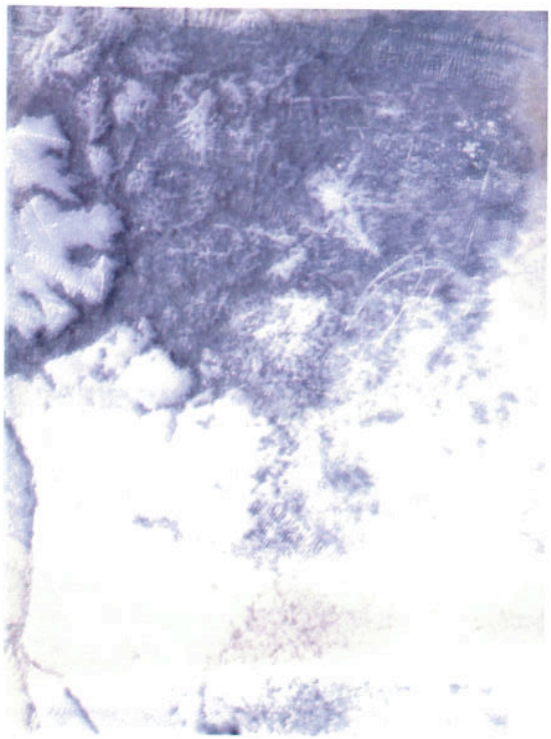
D8-5 20×10

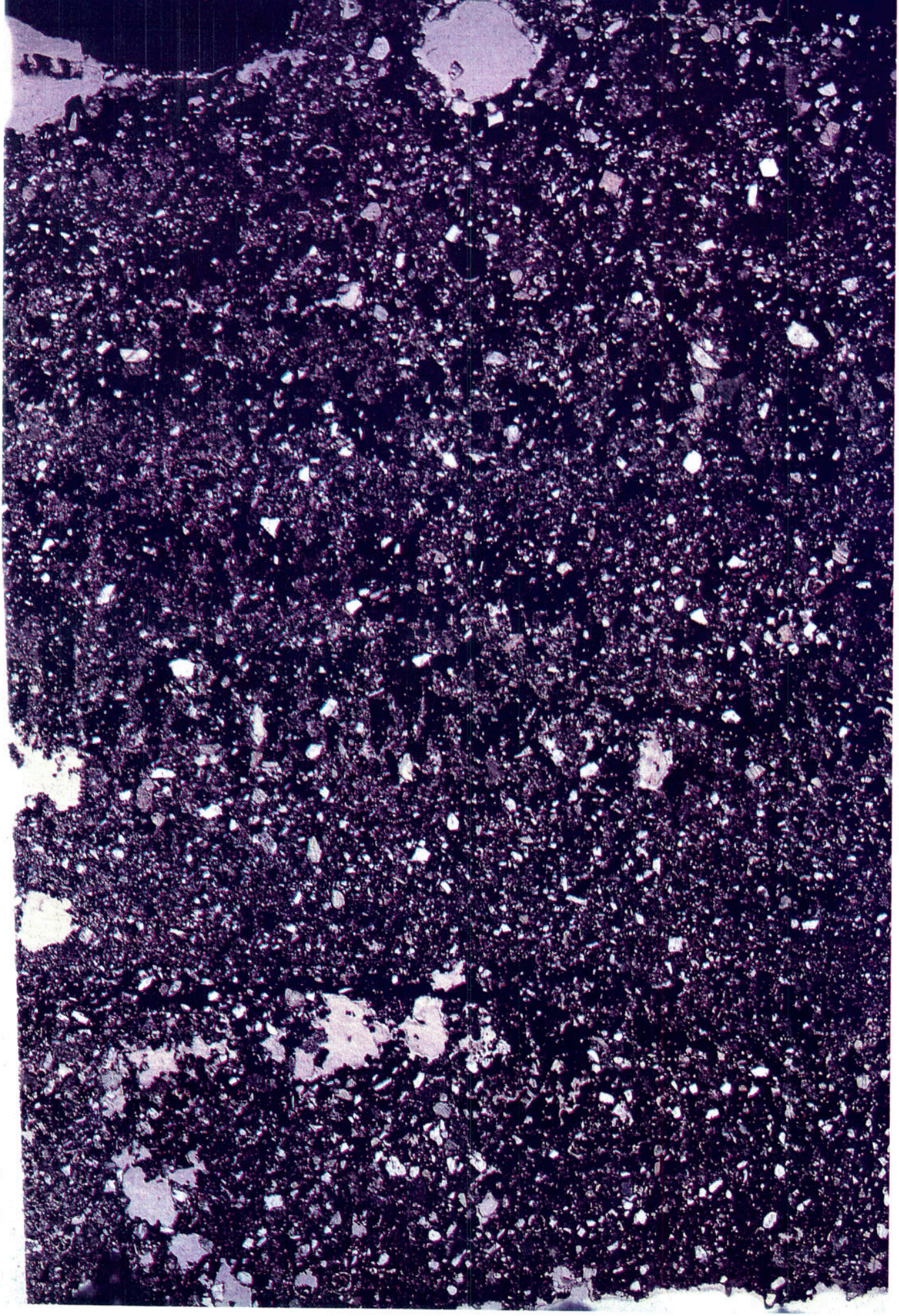


10×10 , X/XP, 50 µm

D8-5

(Cellular?)



Hematite: Dark gray being replaced by
Mn-oxide dense light gray
The photo taken with a detailed geol

DB-5 100x10 Plane Reflected Light