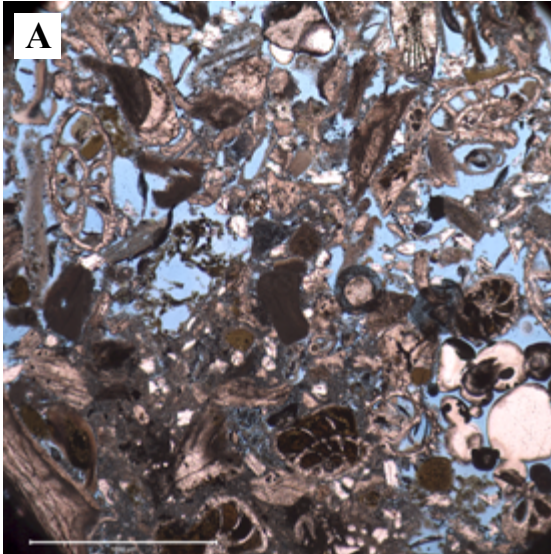
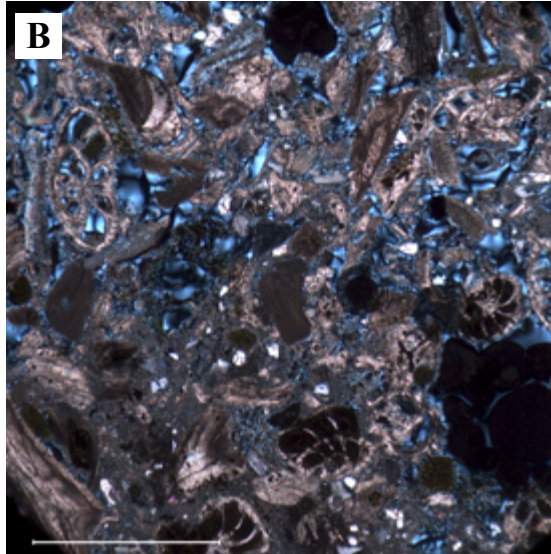


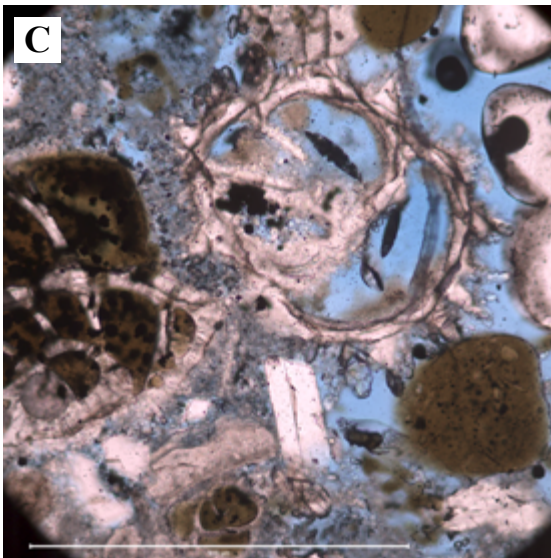
Appendix Figure 1.



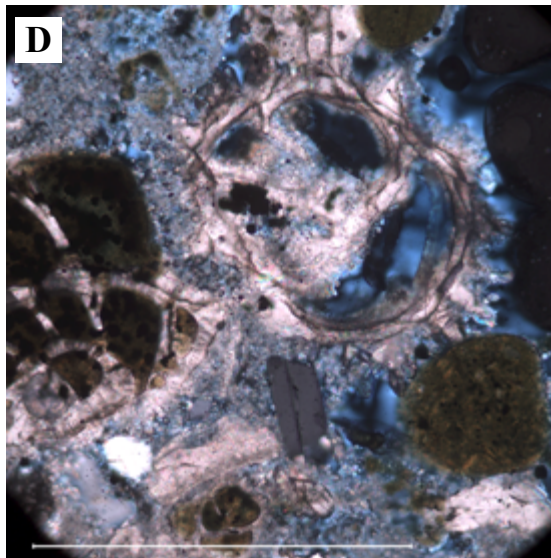
317-U1351B-12H-1W, 115 cm 500 µm



317-U1351B-12H-1W, 115 cm 500 µm

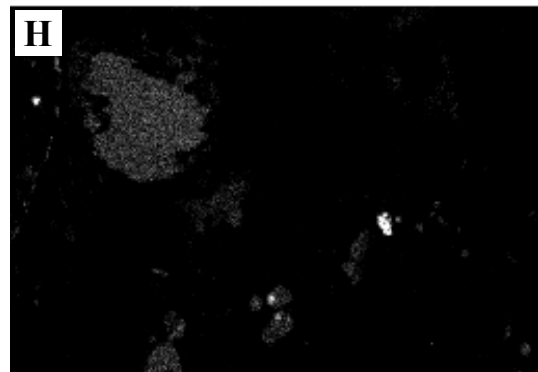
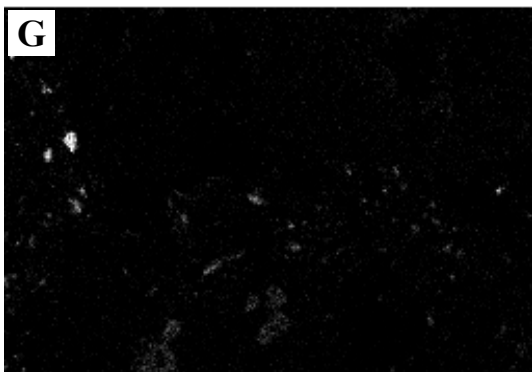
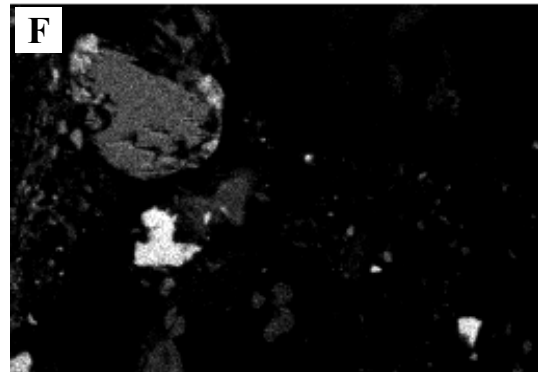
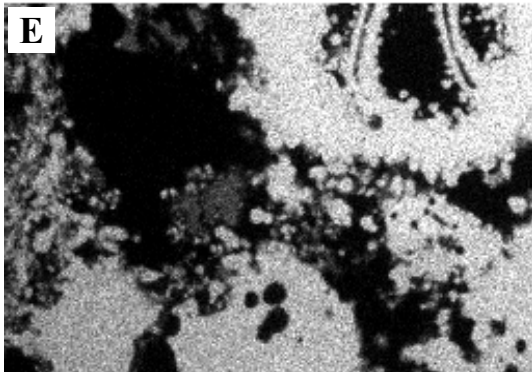
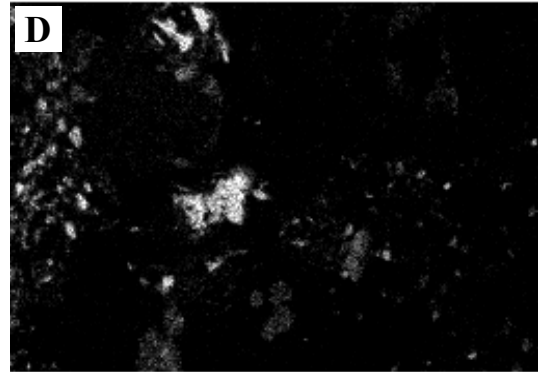
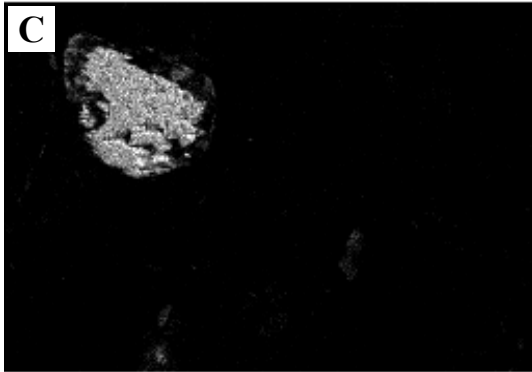
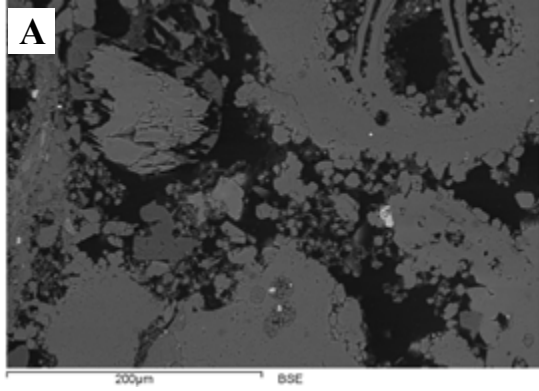


317-U1351B-12H-1W, 115 cm 100 µm

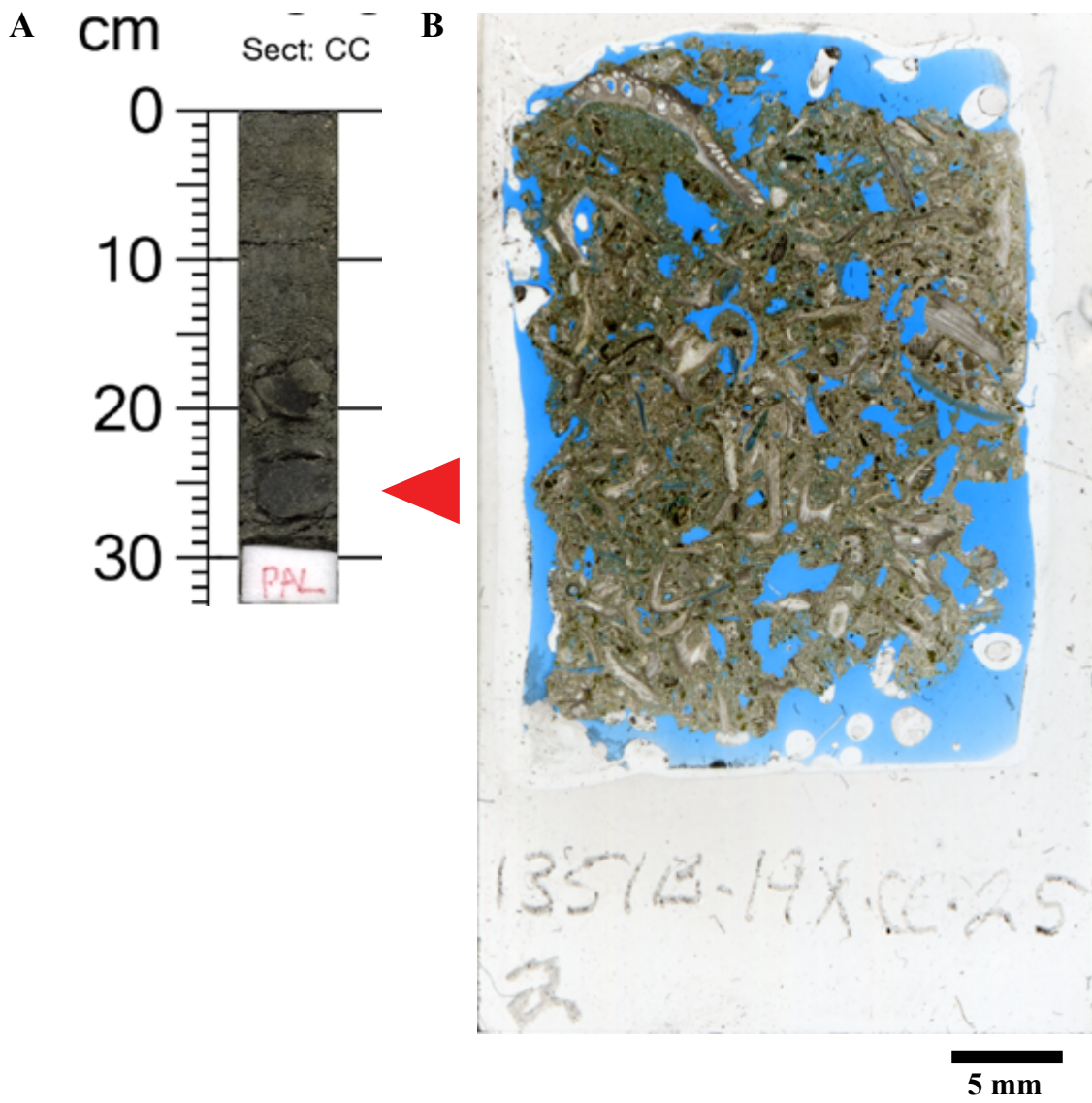


317-U1351B-12H-1W, 115 cm 100 µm

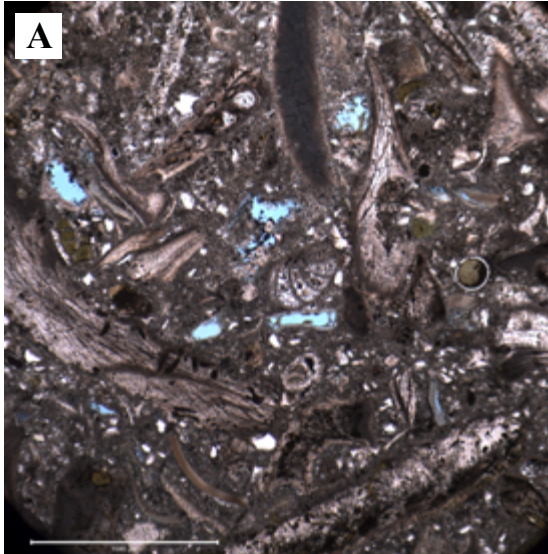
Appendix Figure 2.



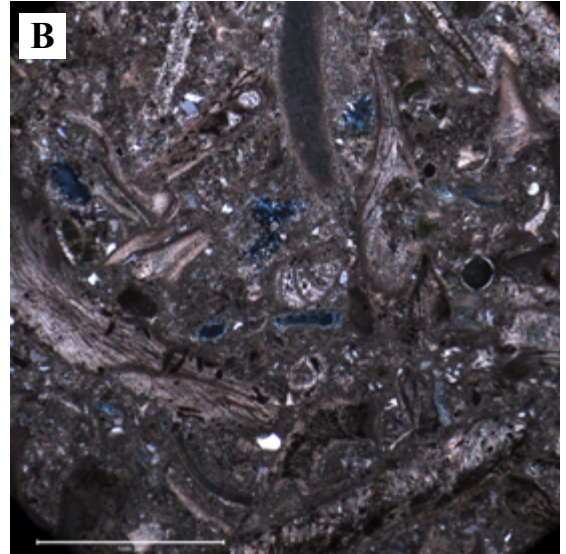
Appendix Figure 3.



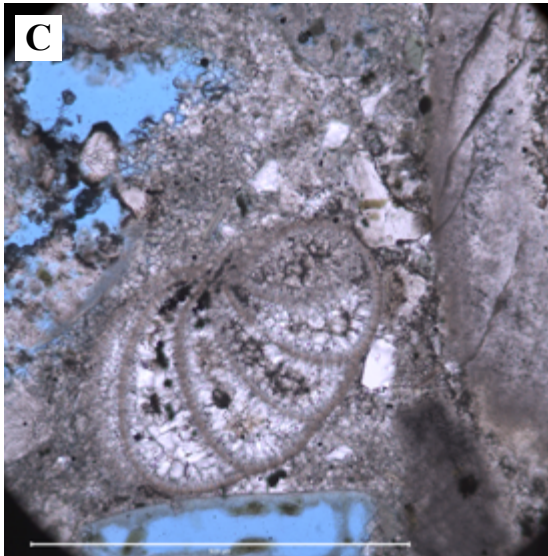
Appendix Figure 4.



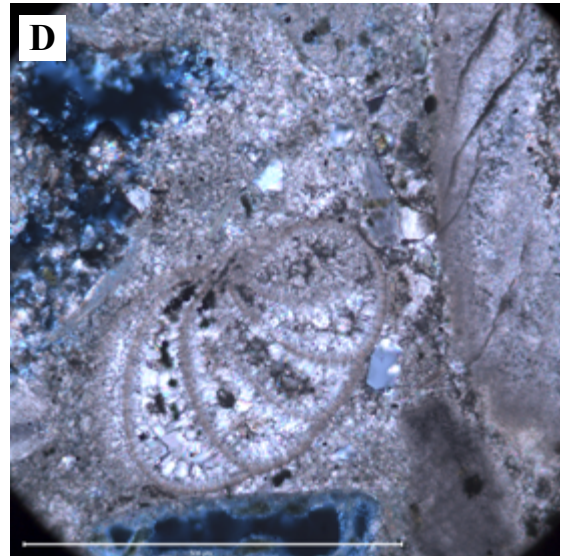
A
317-U1351B-19X-CC, 25 cm 500 μ m



B
317-U1351B-19X-CC, 25 cm 500 μ m

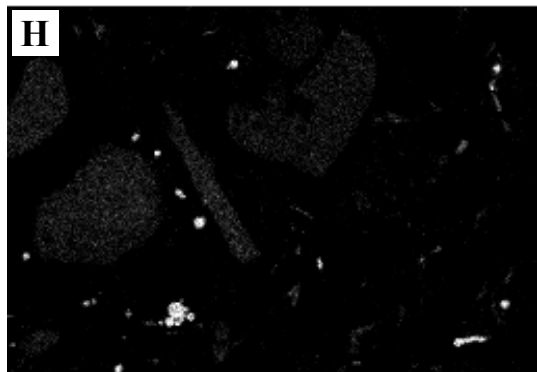
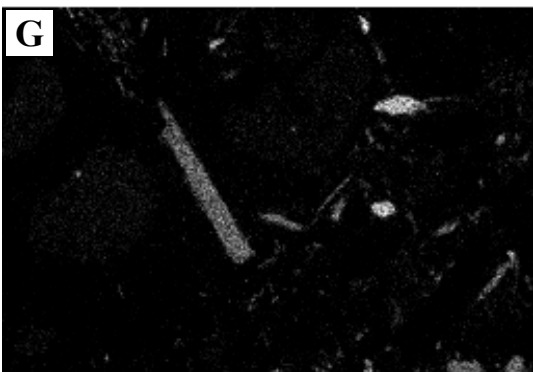
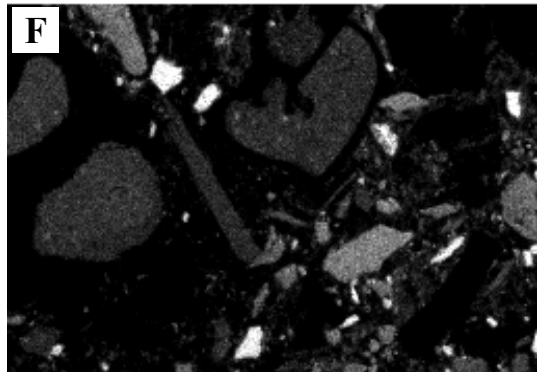
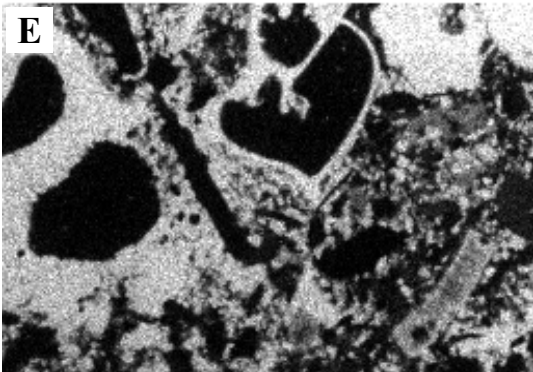
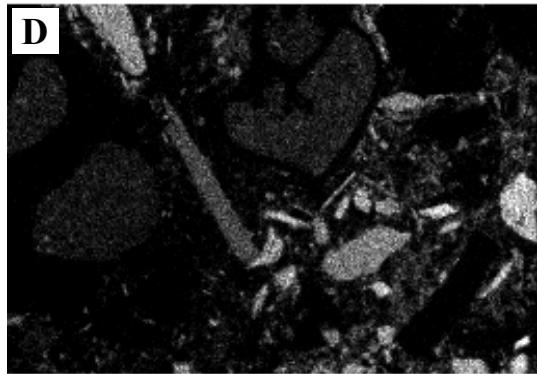
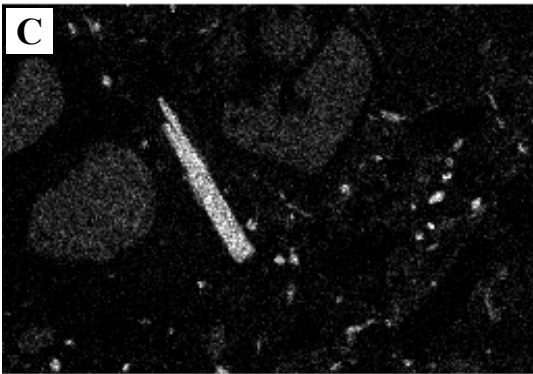
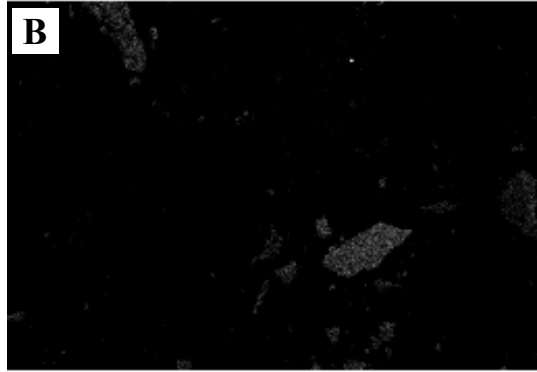
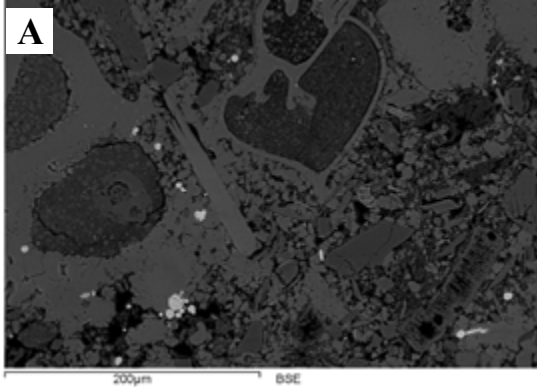


C
317-U1351B-19X-CC, 25 cm 100 μ m

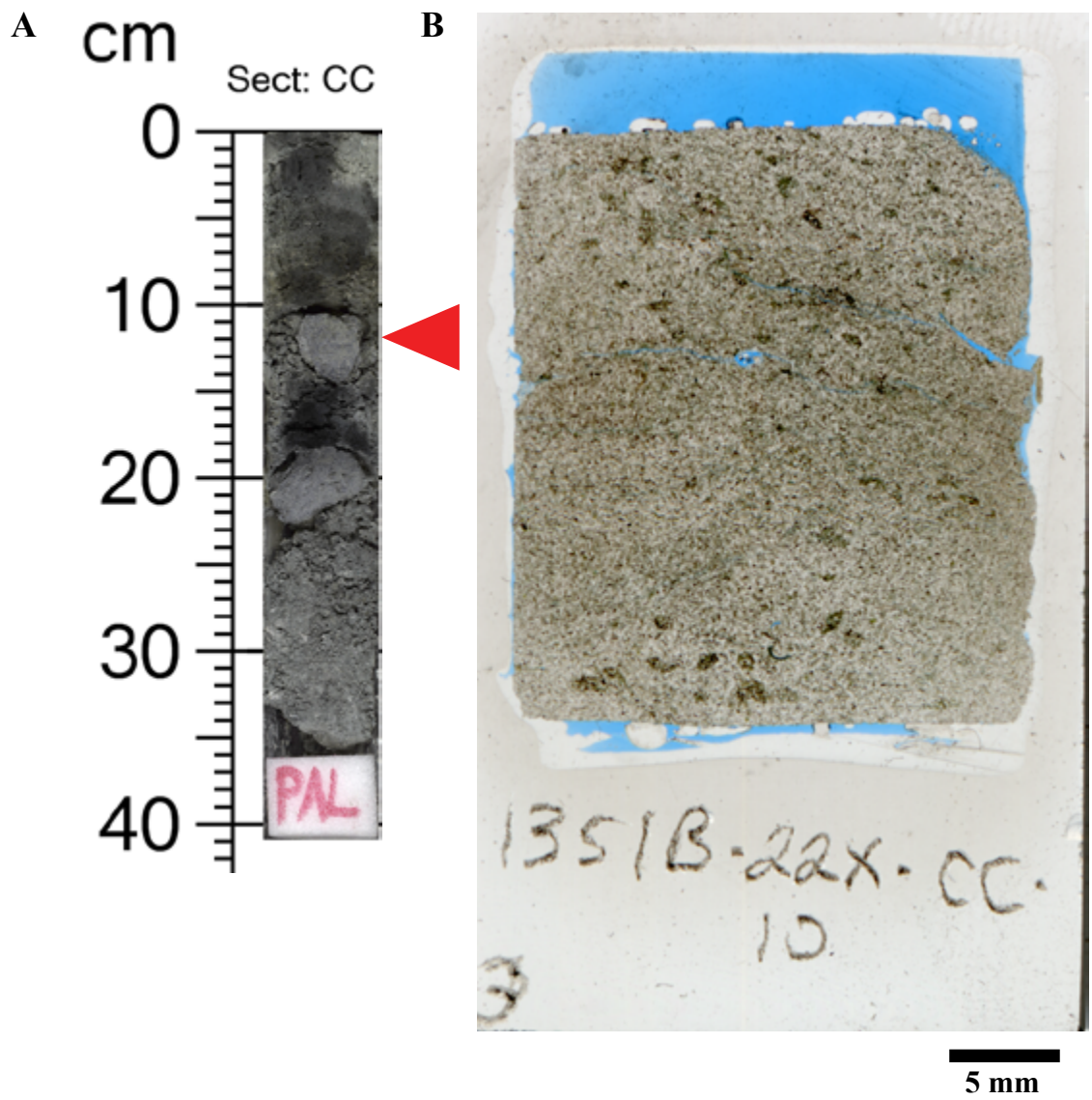


D
317-U1351B-19X-CC, 25 cm 100 μ m

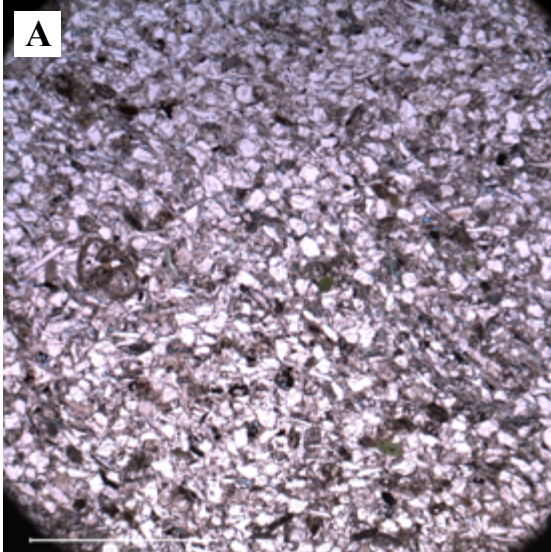
Appendix Figure 5.



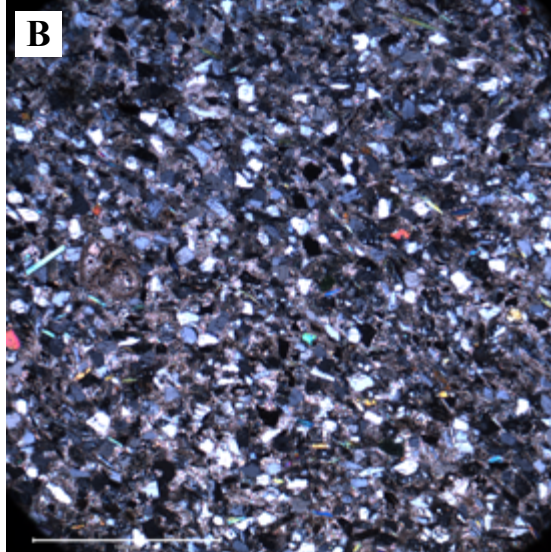
Appendix Figure 6.



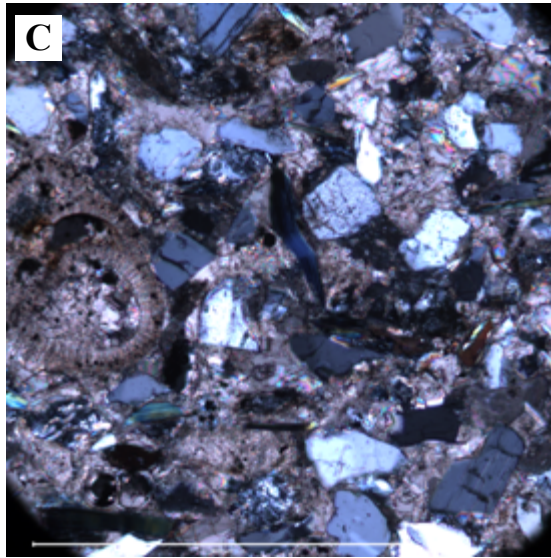
Appendix Figure 7.



317-U1351B-22X-CC, 10-12 cm 500 μ m

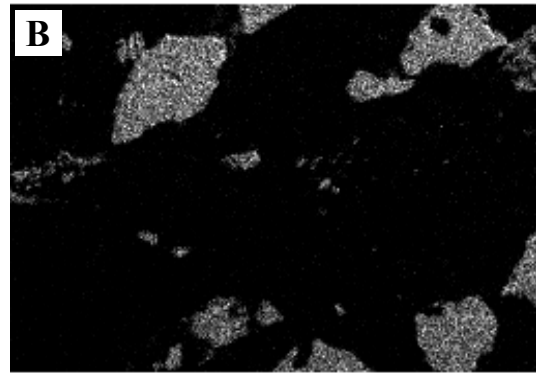
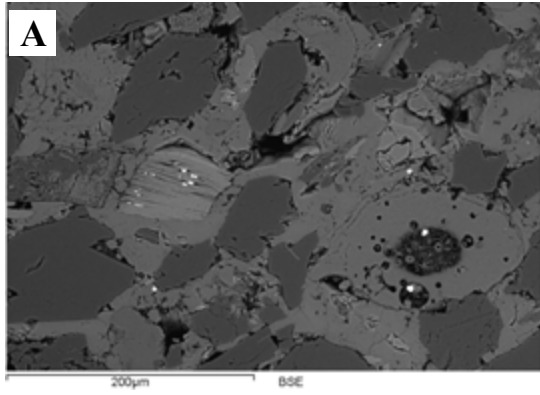


317-U1351B-22X-CC, 10-12cm 500 μ m

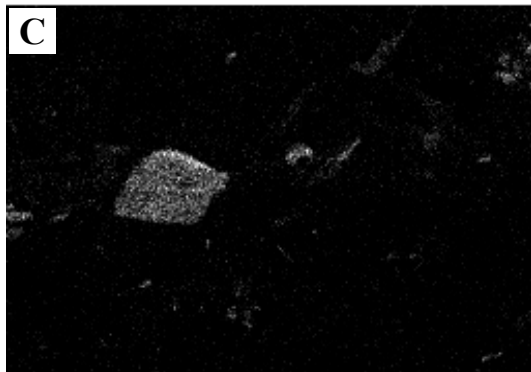


317-U1351B-22X-CC, 10-12cm 100 μ m

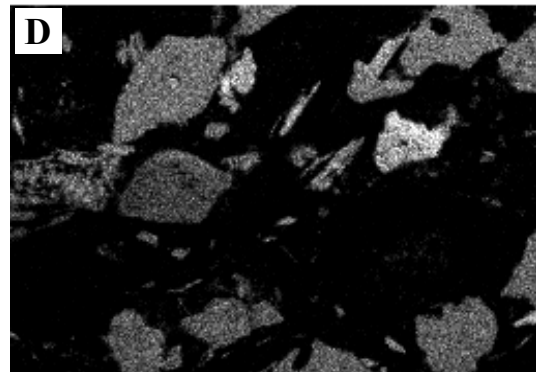
Appendix Figure 8.



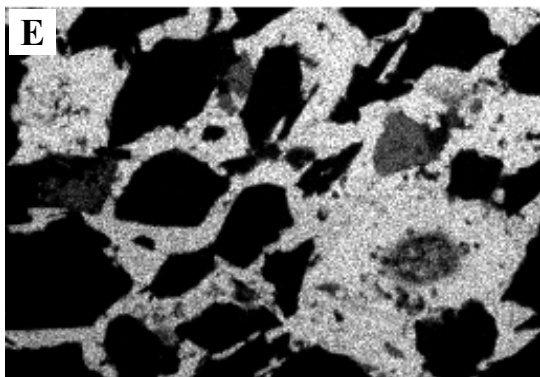
Na Ka1_2



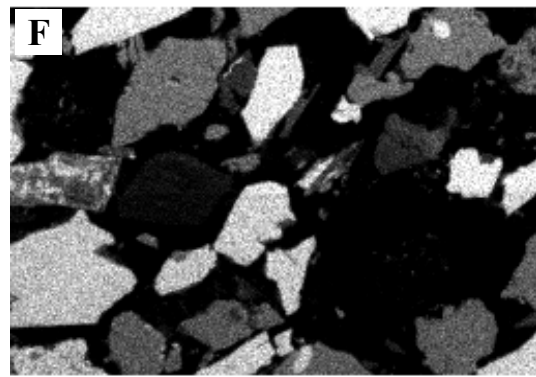
Mg Ka1_2



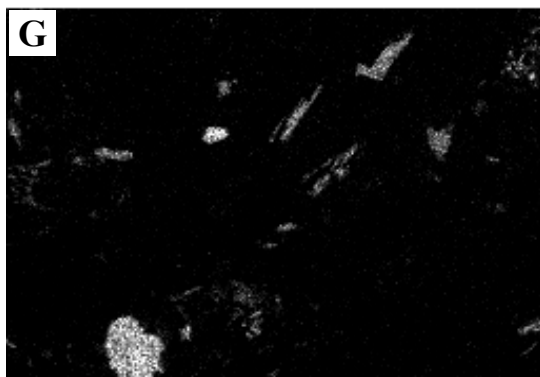
Al Ka1



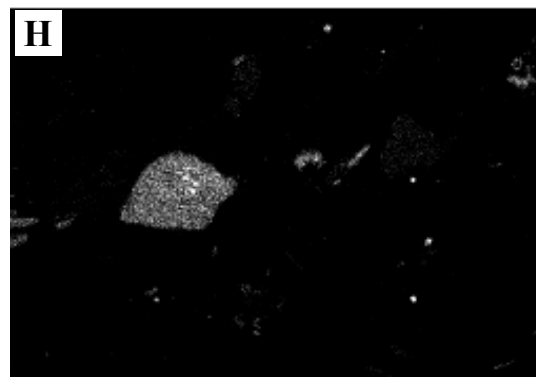
Ca Ka1



Si Ka1

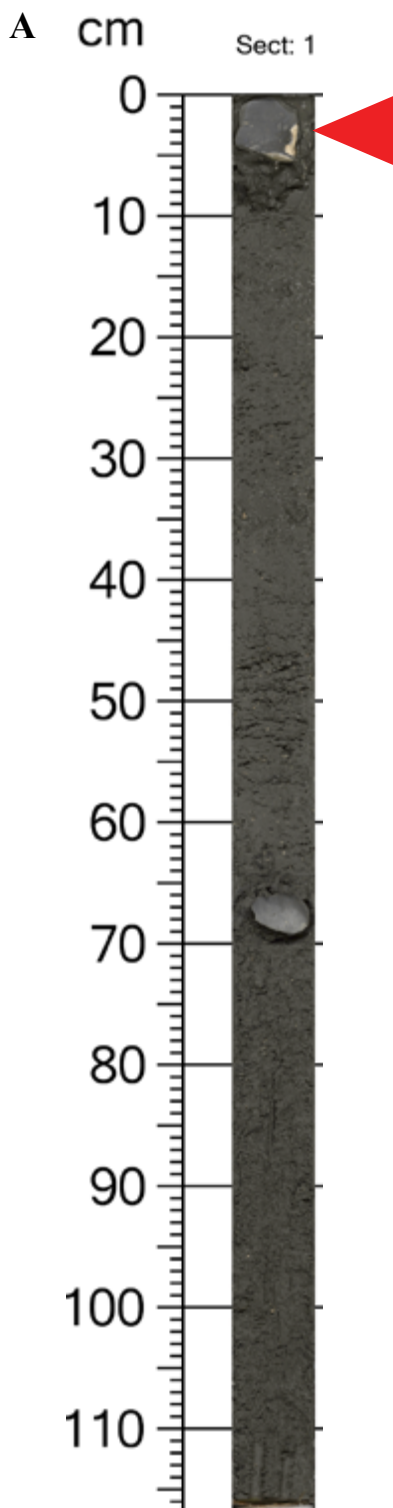


K Ka1

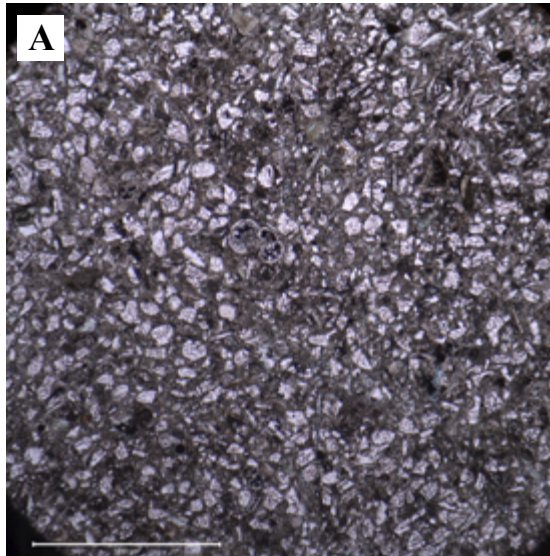


Fe Ka1

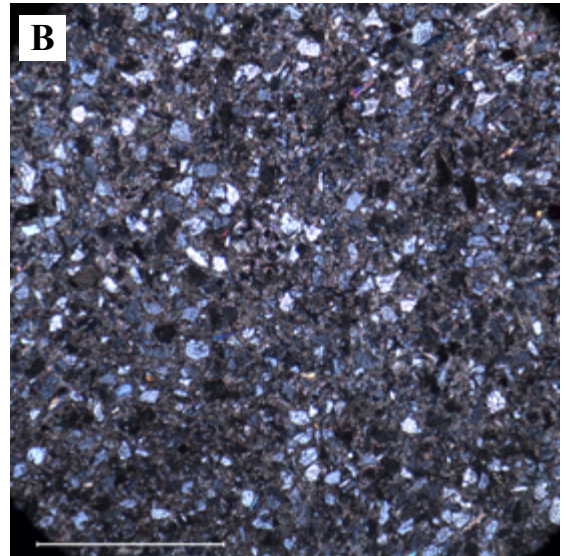
Appendix Figure 9.



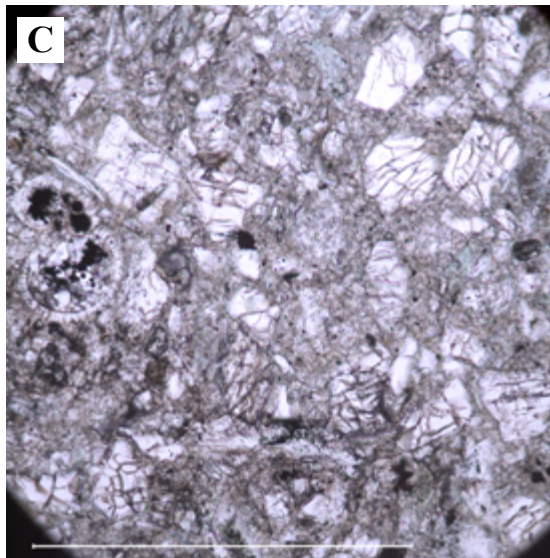
Appendix Figure 10.



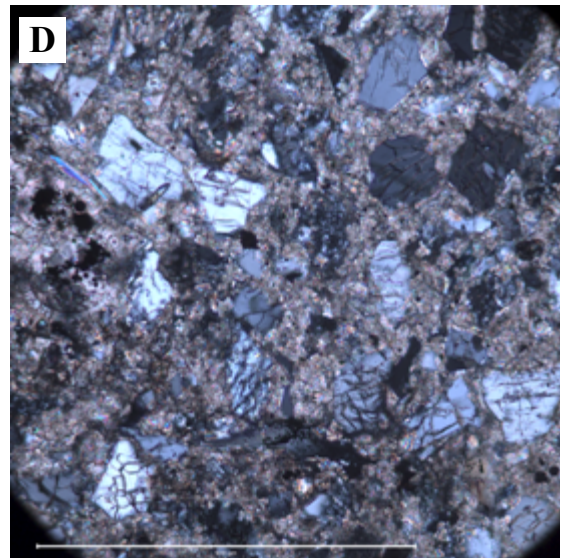
A
317-U1351B-44X-1W, 3-8 cm 500 μ m



B
317-U1351B-44X-1W, 3-8 cm 500 μ m

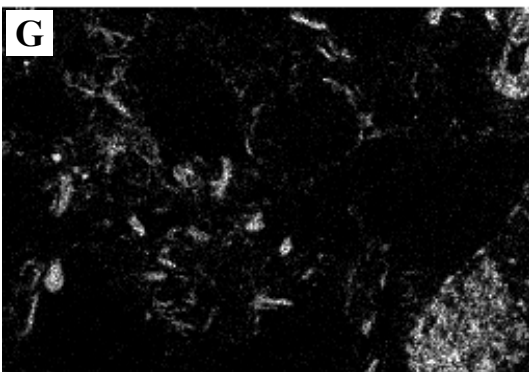
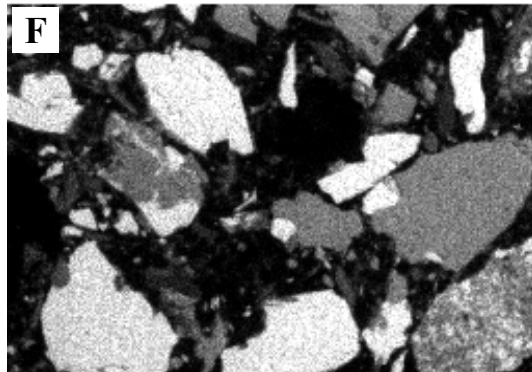
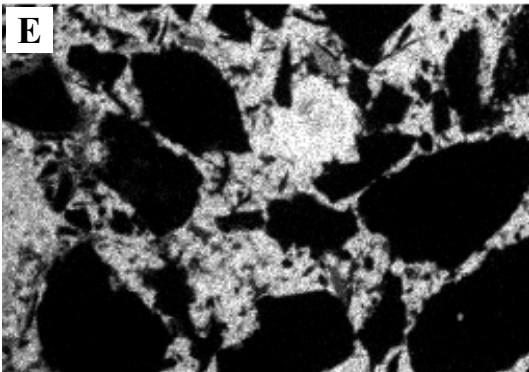
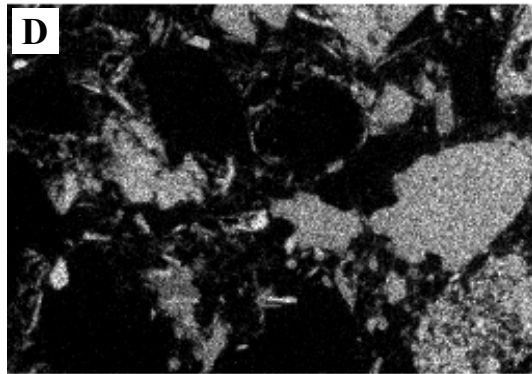
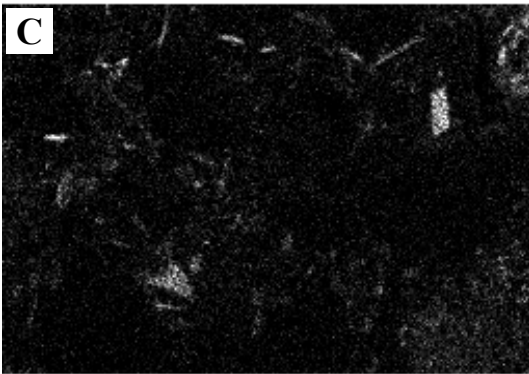
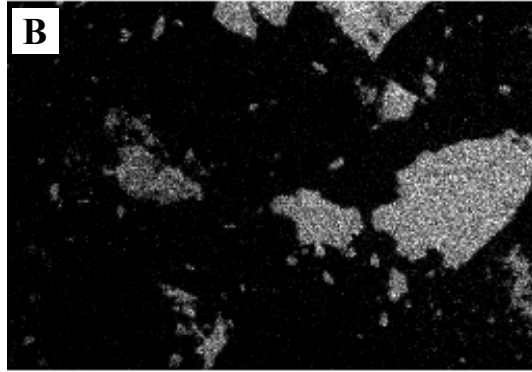
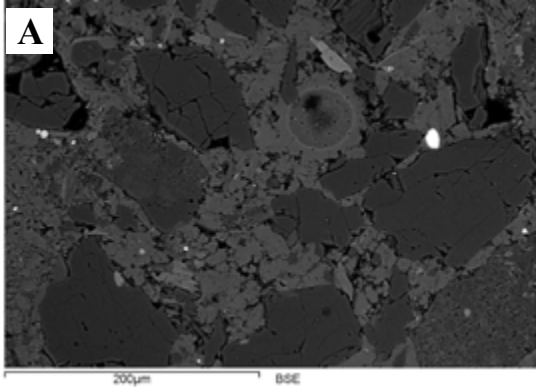


C
317-U1351B-44X-1W, 3-8 cm 100 μ m

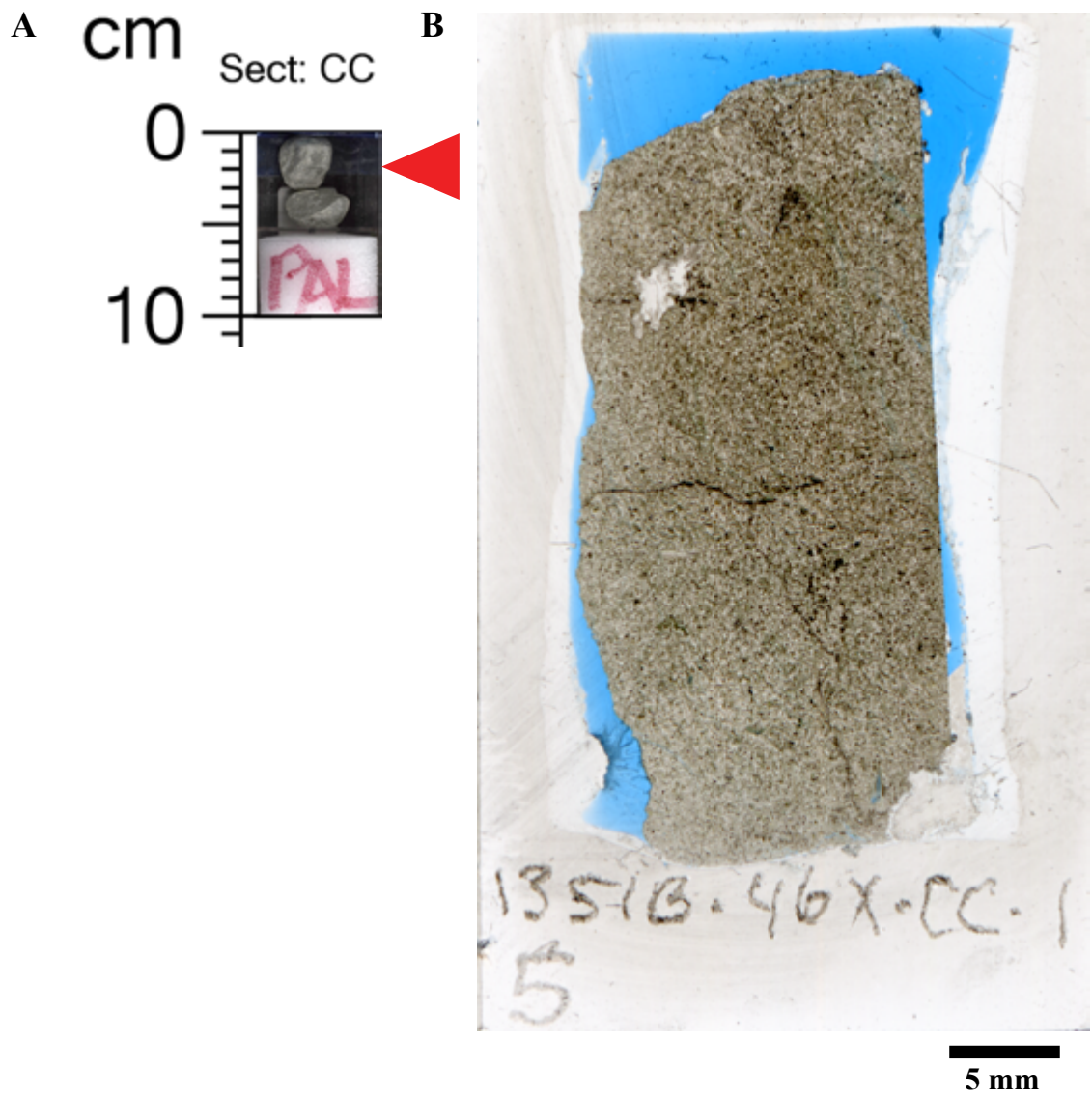


D
317-U1351B-44X-1W, 3-8 cm 100 μ m

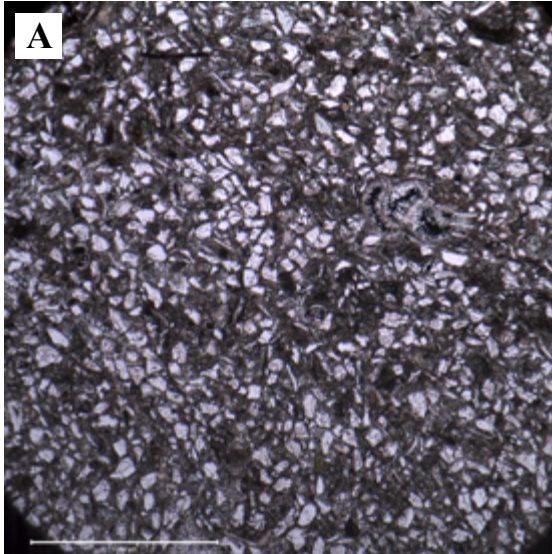
Appendix Figure 11.



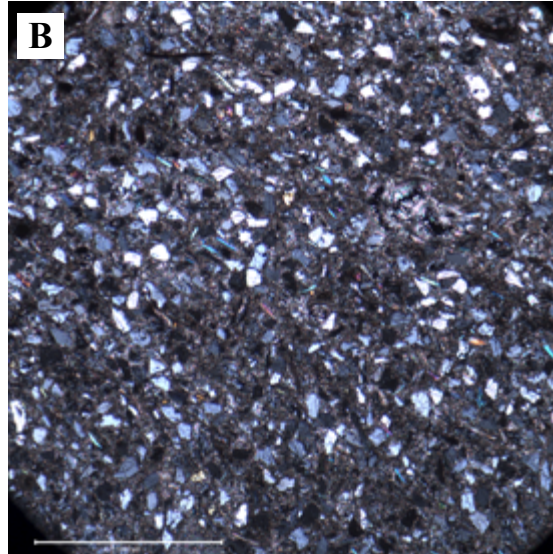
Appendix Figure 12.



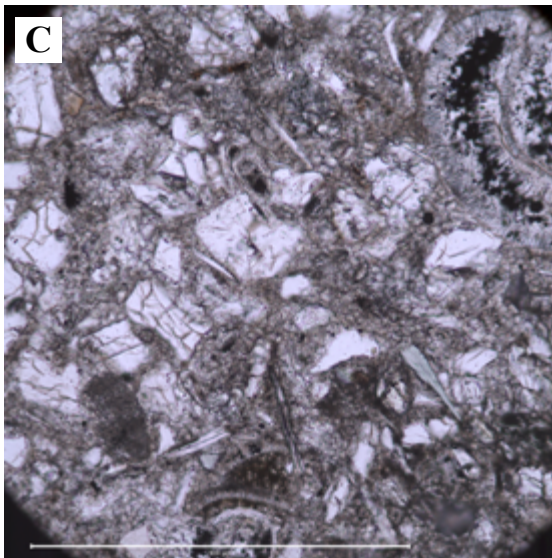
Appendix Figure 13.



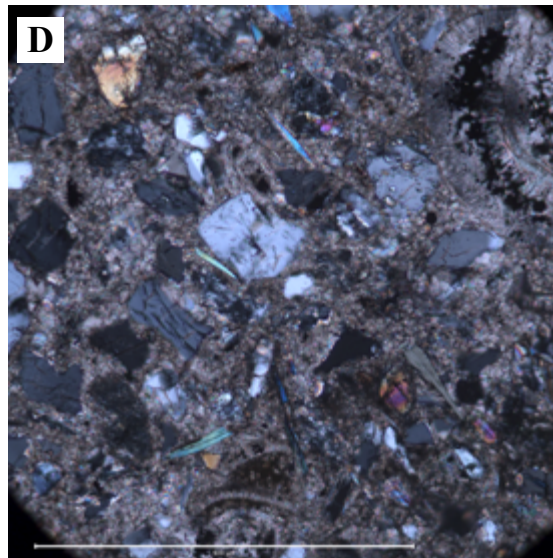
A
317-U1351B-46X-CC, 1-5 cm 500 μ m



B
317-U1351B-46X-CC, 1-5 cm 500 μ m

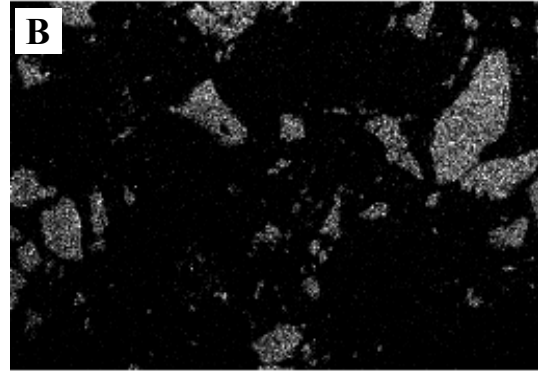
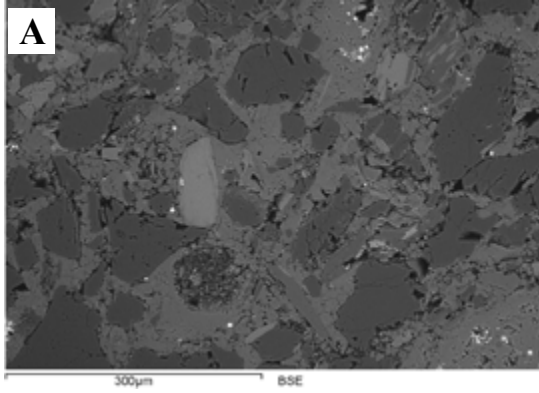


C
317-U1351B-46X-CC, 1-5 cm 100 μ m

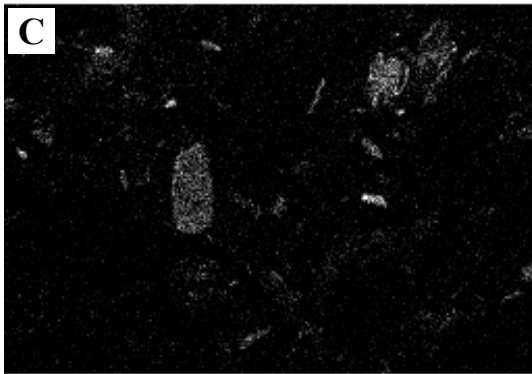


D
317-U1351B-46X-CC, 1-5 cm 100 μ m

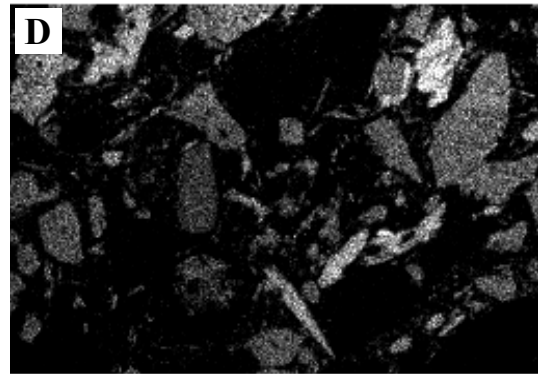
Appendix Figure 14.



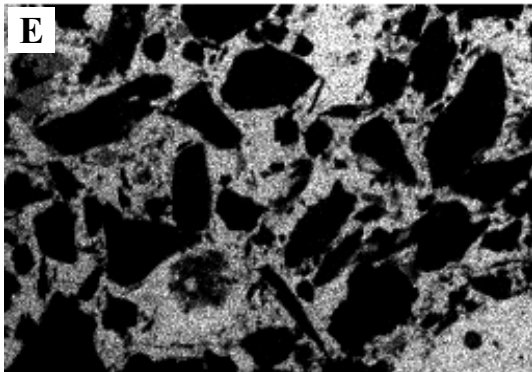
Na Ka1_2



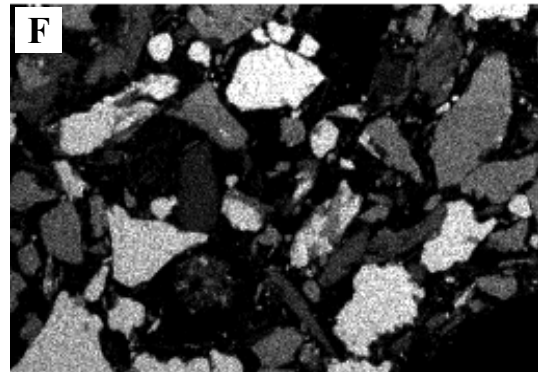
Mg Ka1_2



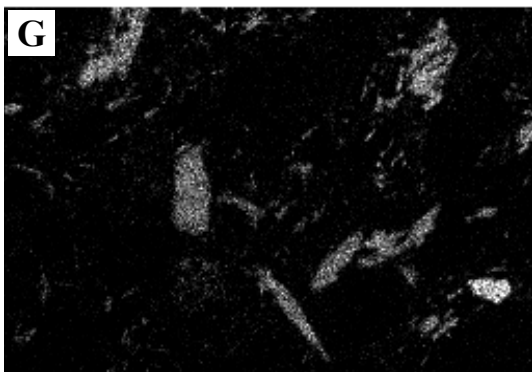
Al Ka1



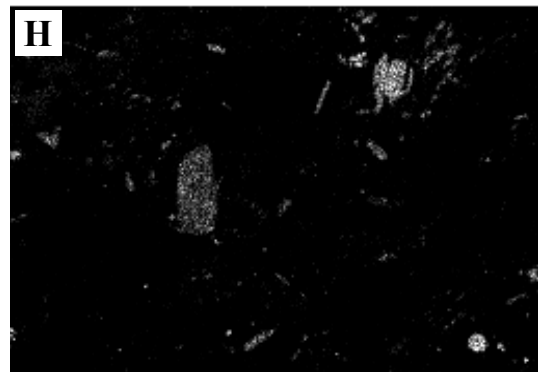
Ca Ka1



Si Ka1

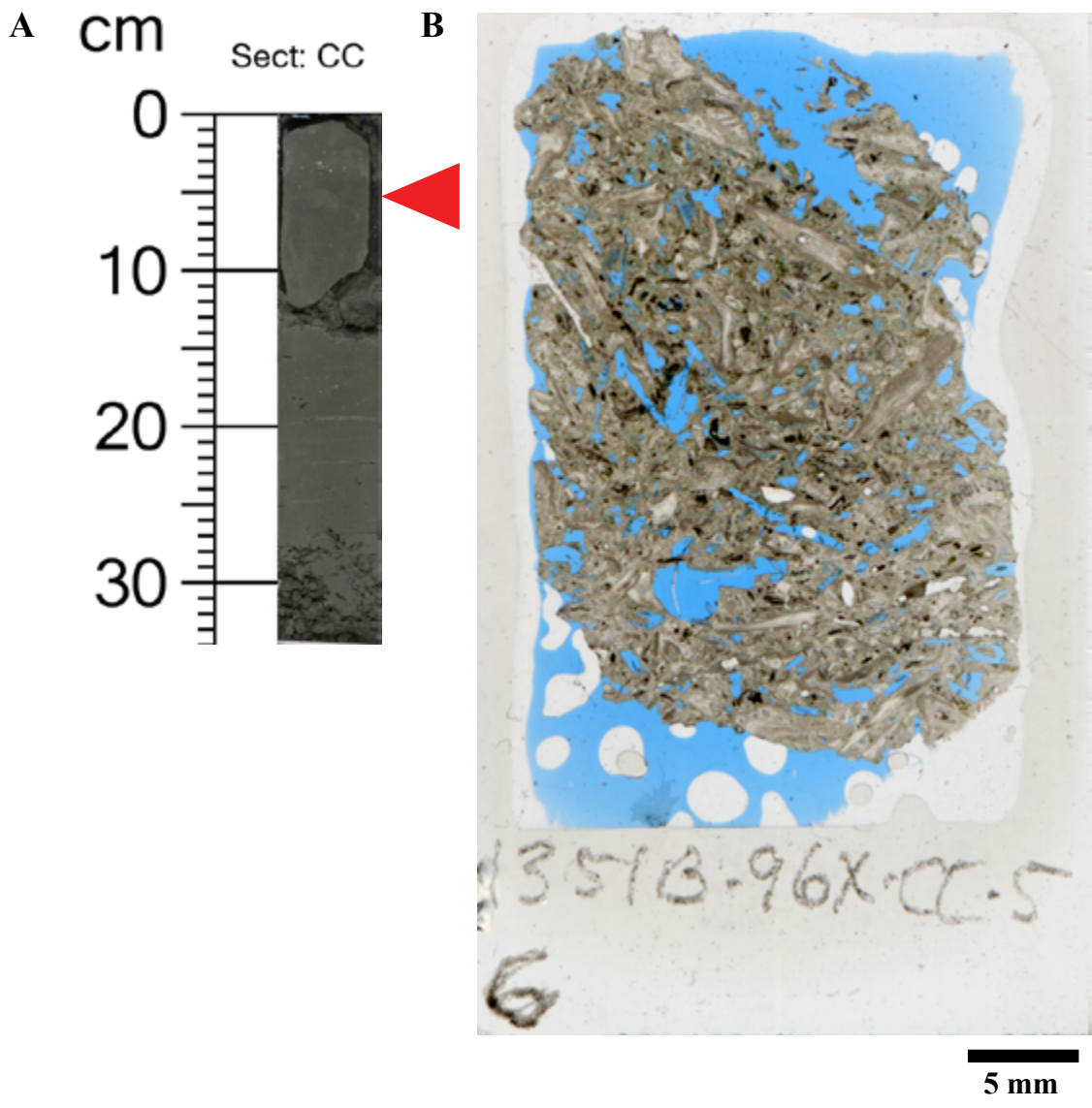


K Ka1

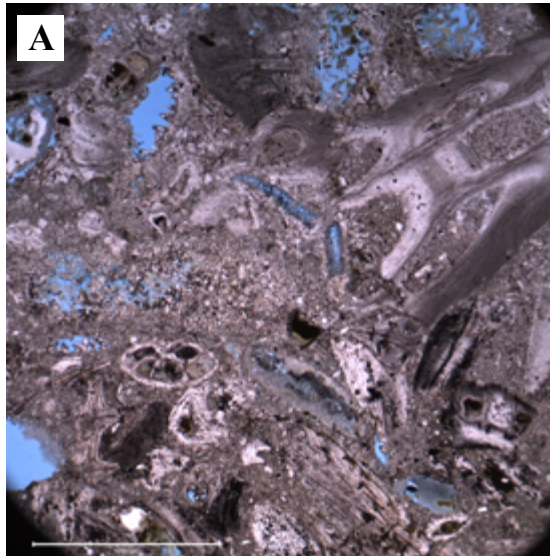


Fe Ka1

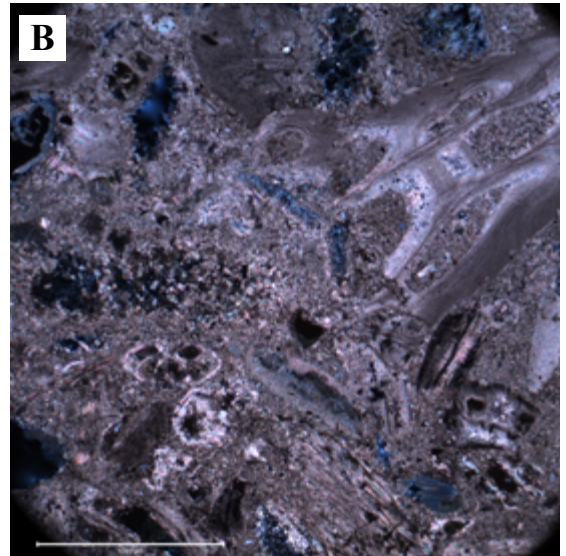
317-U1351B-46X-CC, 1-5 cm



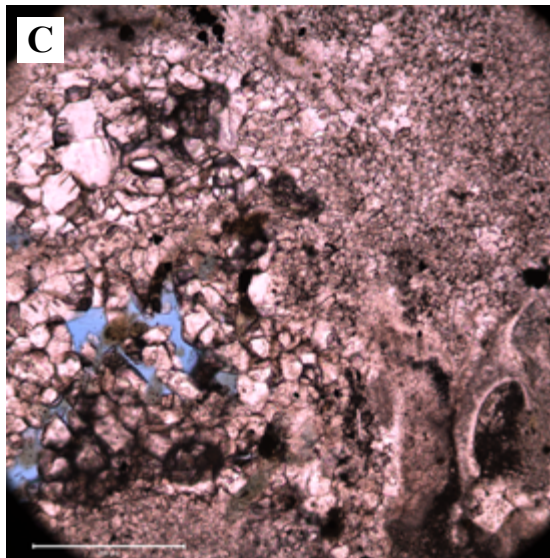
Appendix Figure 16.



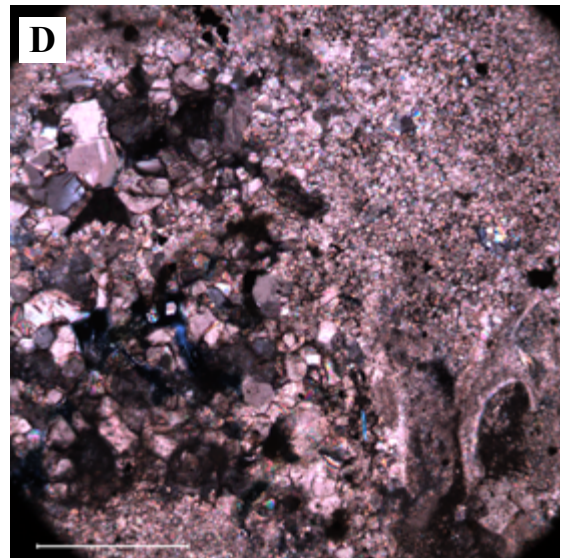
A
317-U1351B-96X-CC 5-8 cm 500 μ m



B
317-U1351B-96X-CC 5-8 cm 500 μ m

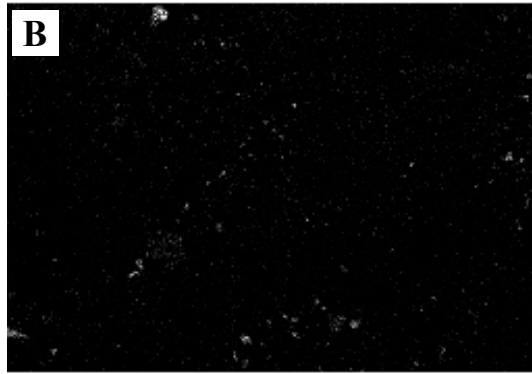
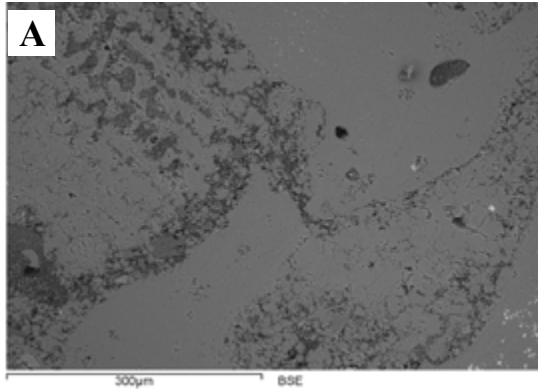


C
317-U1351B-96X-CC 5-8 cm 100 μ m

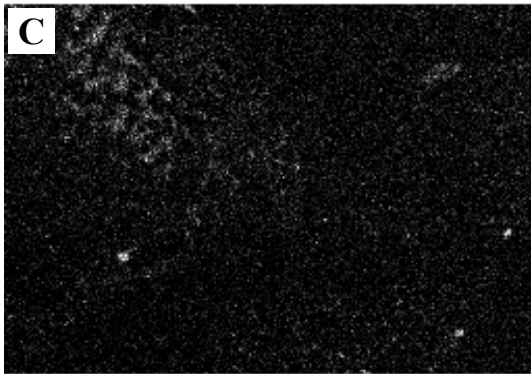


D
317-U1351B-96X-CC 5-8 cm 100 μ m

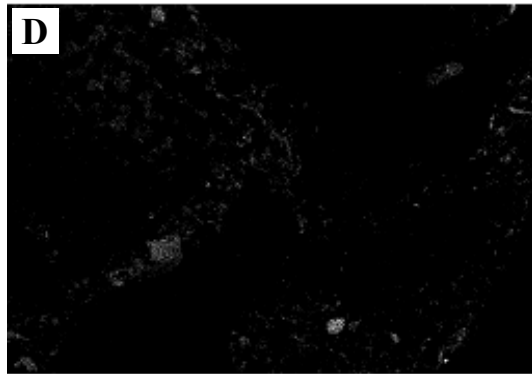
Appendix Figure 17.



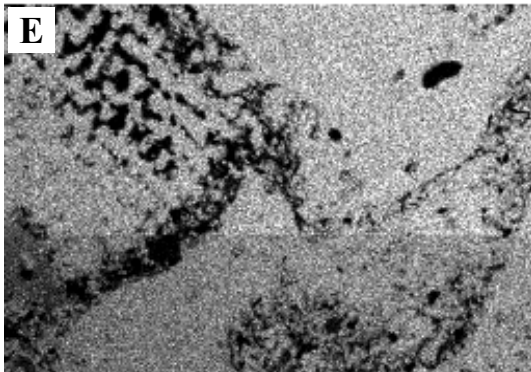
Na Ka1_2



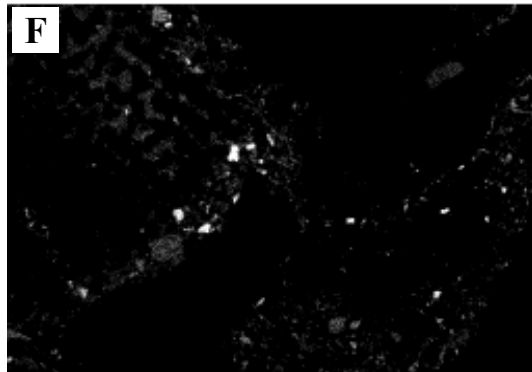
Mg Ka1_2



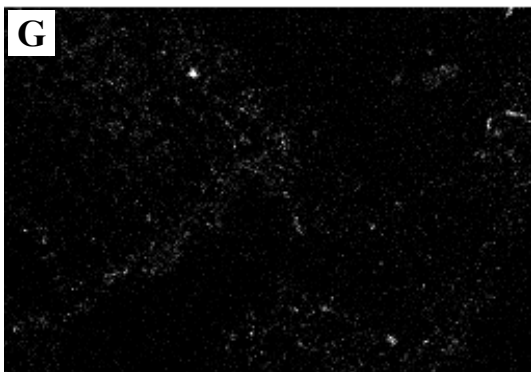
Al Ka1



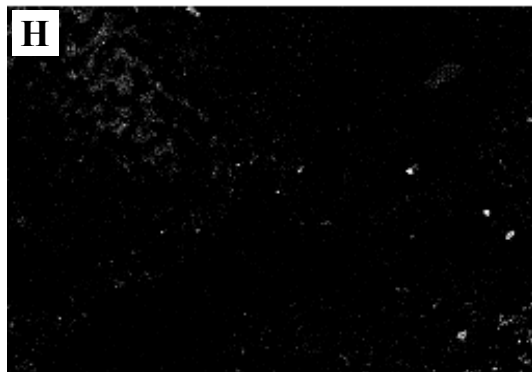
Ca Ka1



Si Ka1

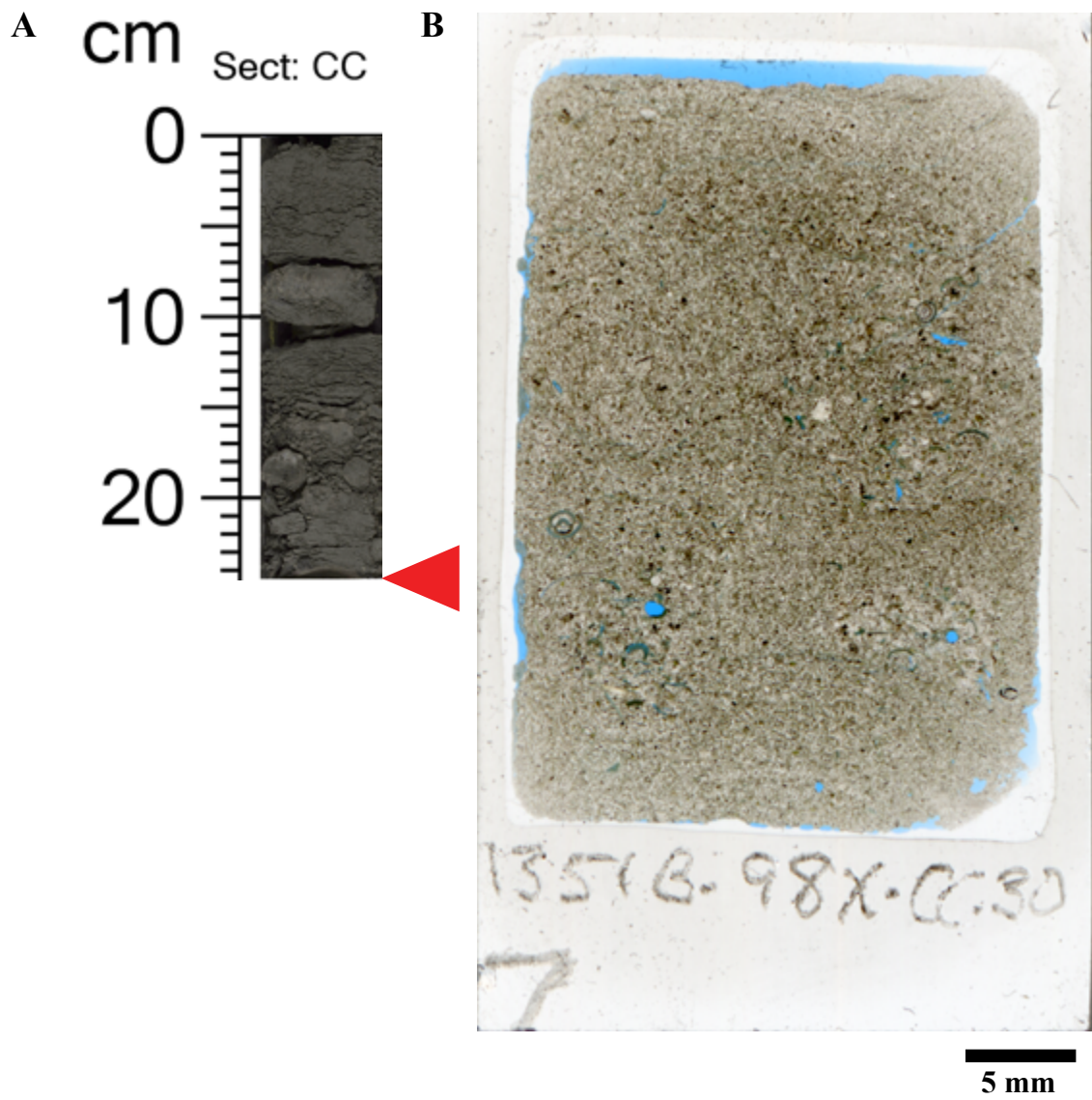


K Ka1

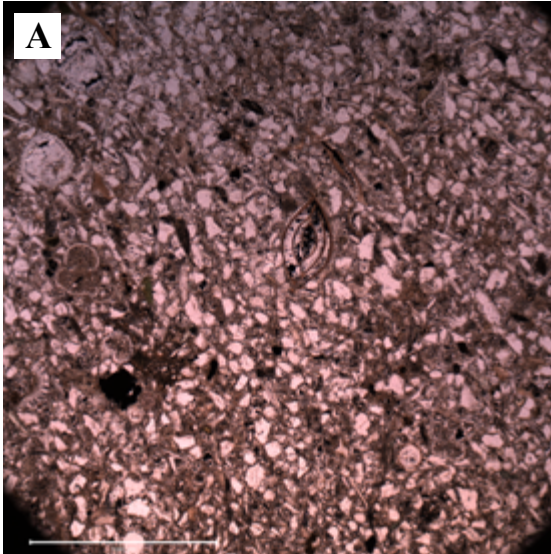


Fe Ka1

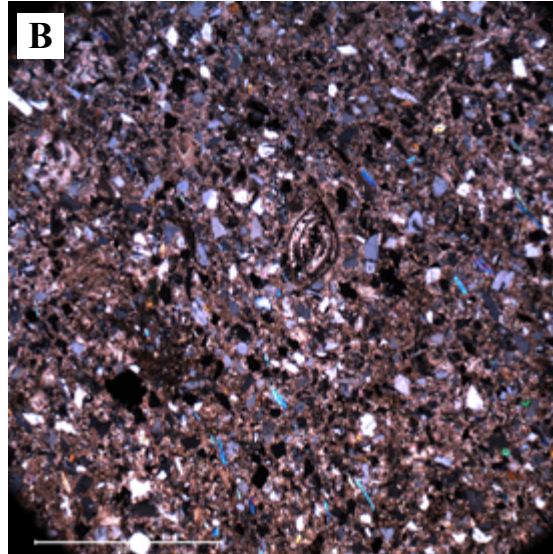
Appendix Figure 18.



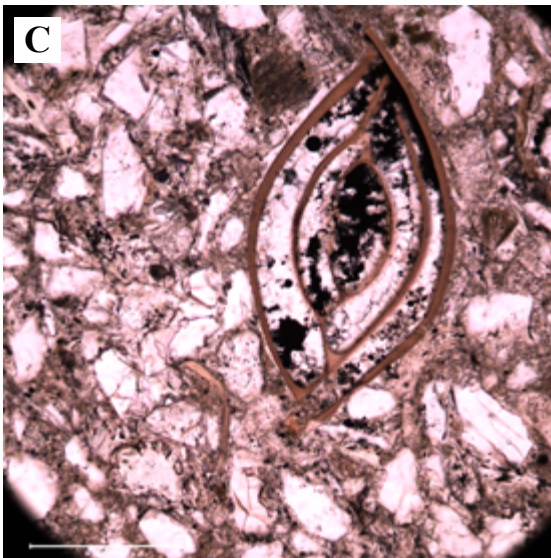
Appendix Figure 19.



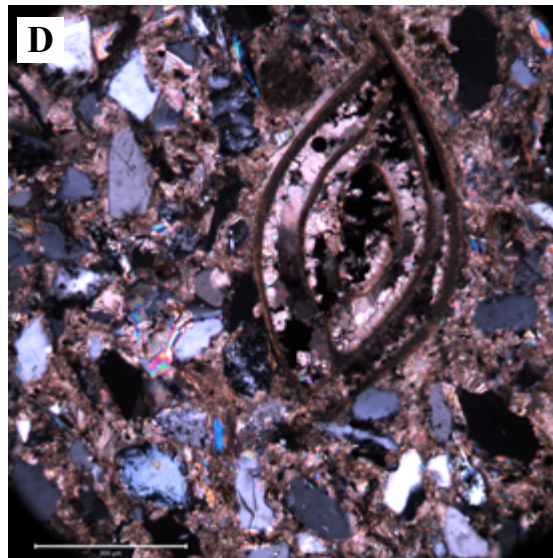
A
317-U1351B-98X-CC, 30-34 cm 500 μ m



B
317-U1351B-98X-CC, 30-34 cm 500 μ m

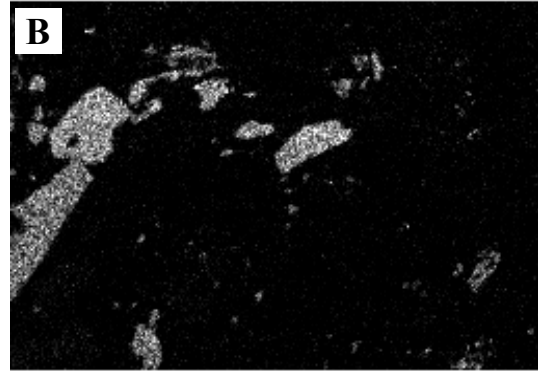
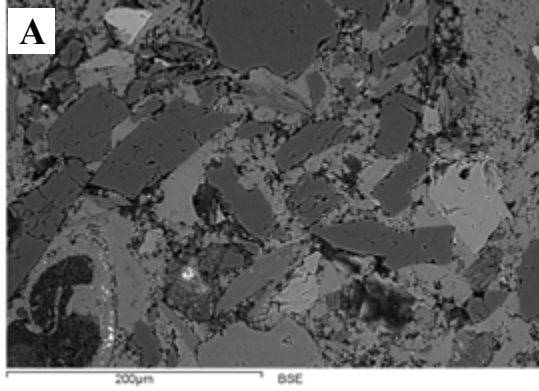


C
317-U1351B-98X-CC, 30-34 cm 100 μ m

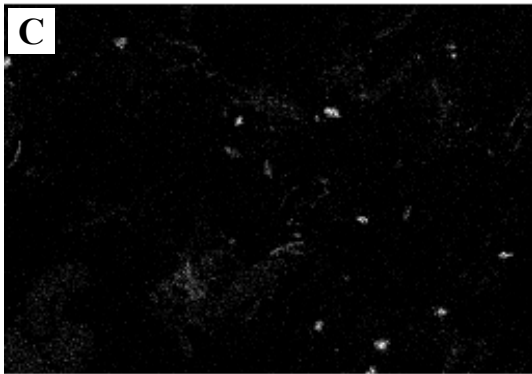


D
317-U1351B-98X-CC, 30-34 cm 100 μ m

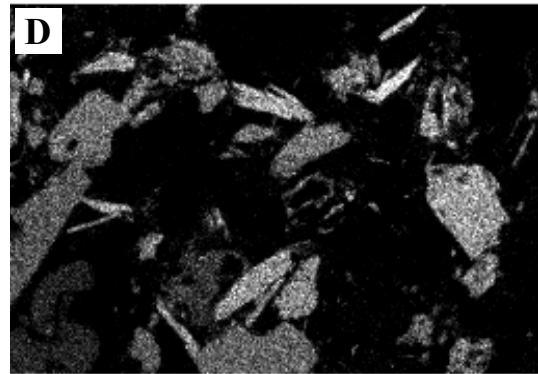
Appendix Figure 20.



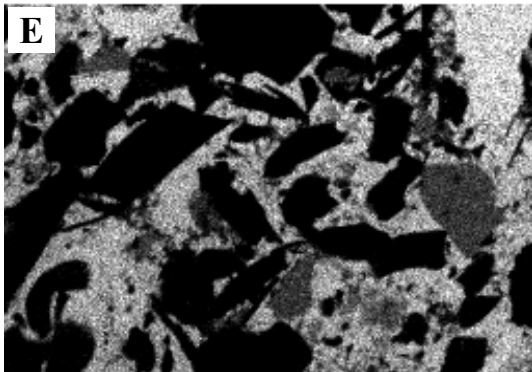
Na Ka1_2



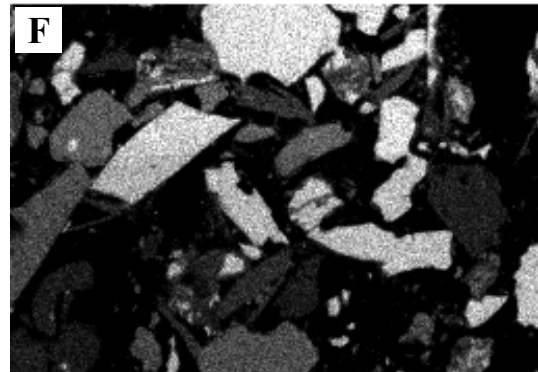
Mg Ka1_2



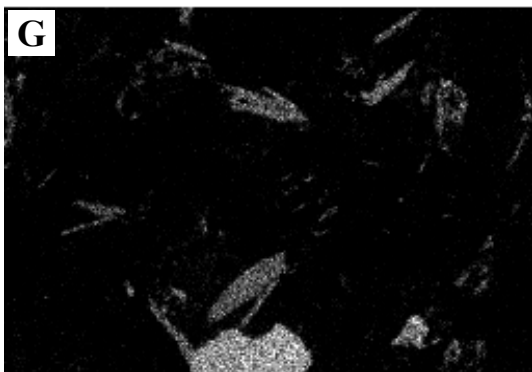
Al Ka1



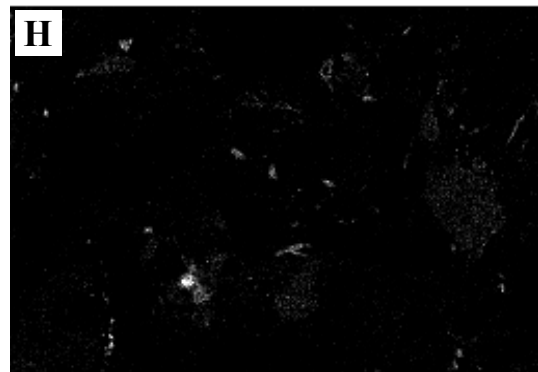
Ca Ka1



Si Ka1

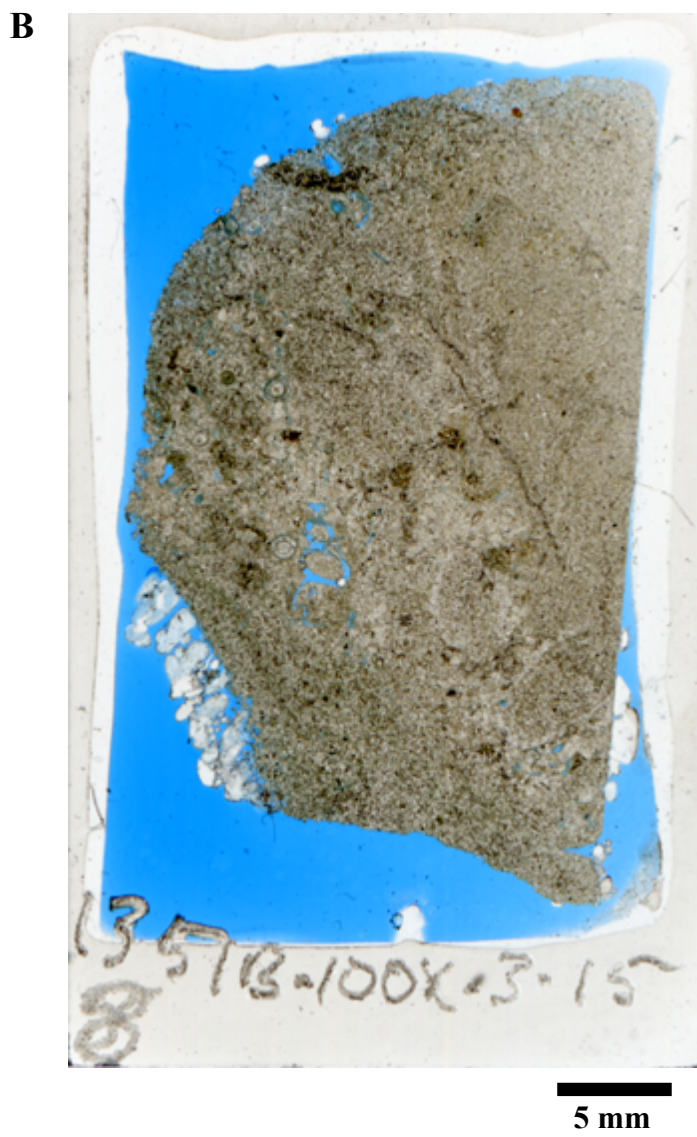
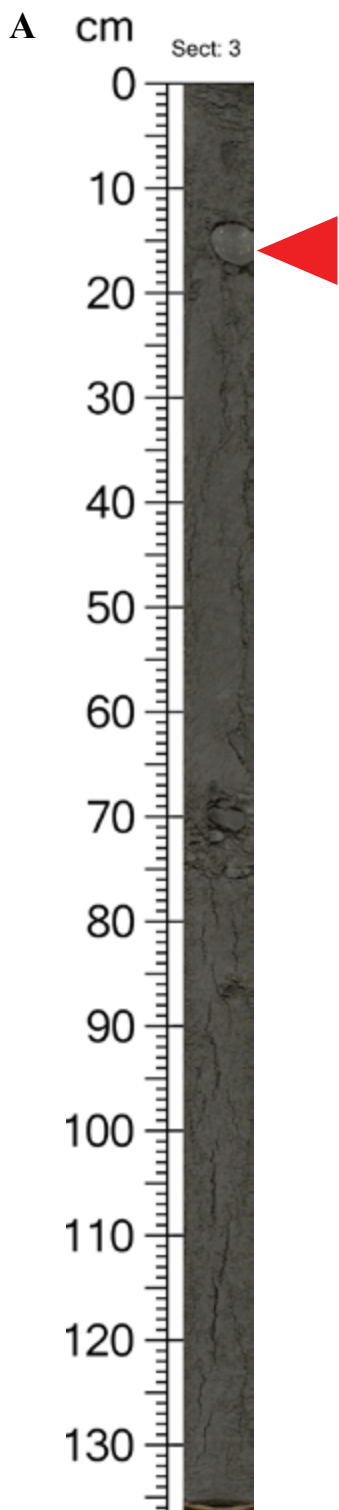


K Ka1

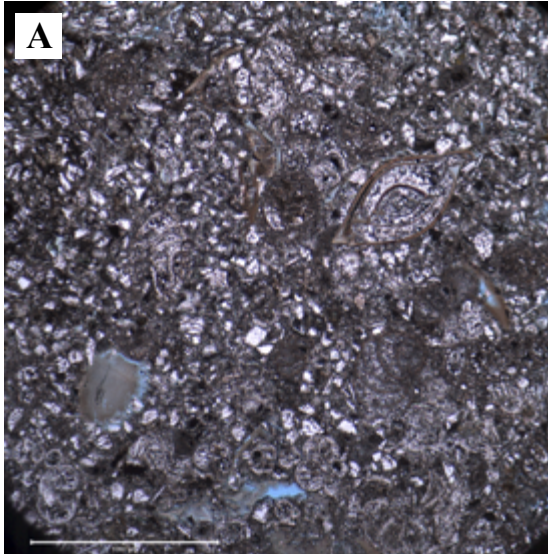


Fe Ka1

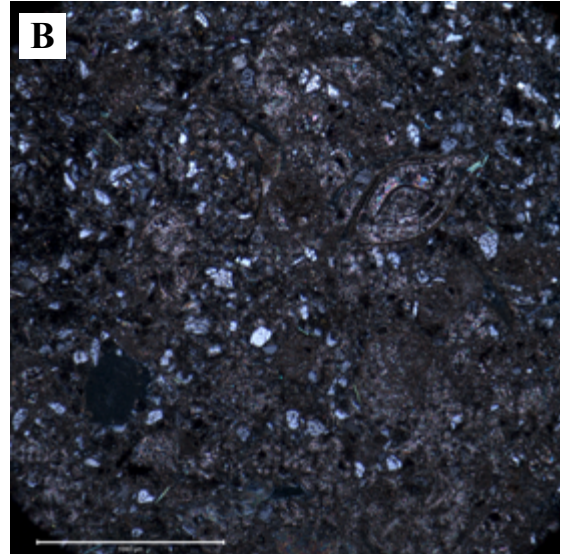
Appendix Figure 21.



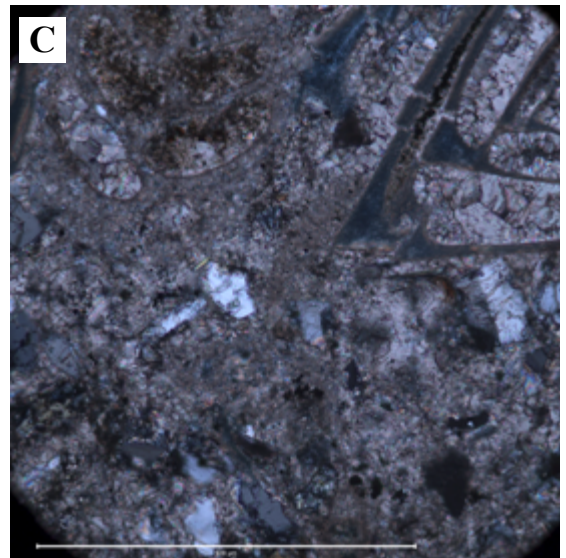
Appendix Figure 22.



317-U1351B-100x-3, 15-17 cm 500 μ m

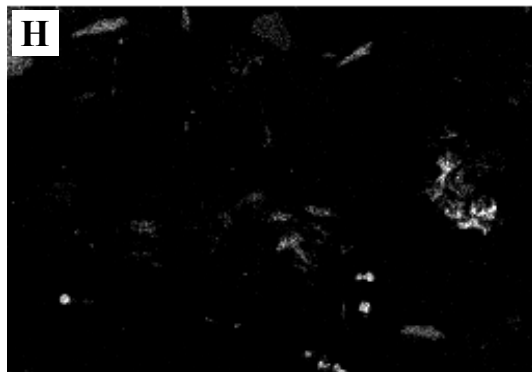
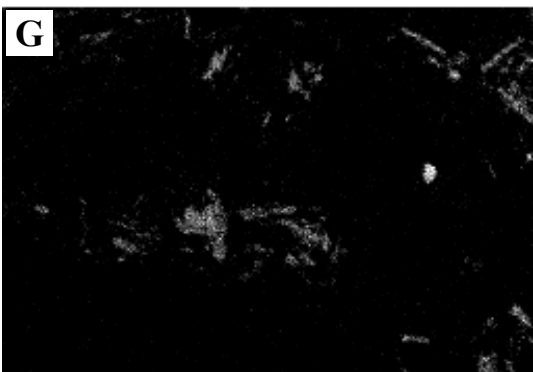
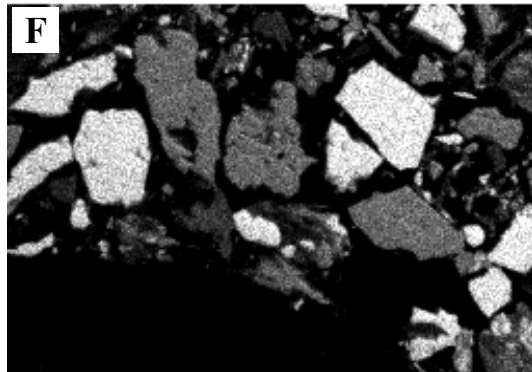
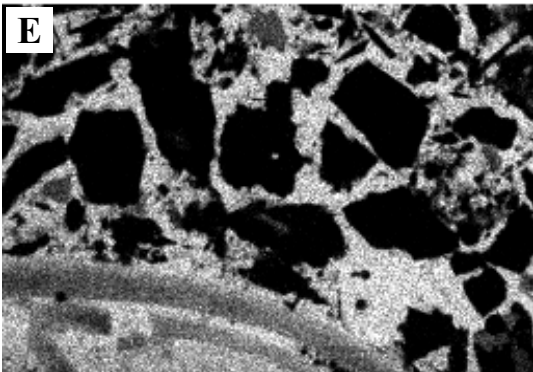
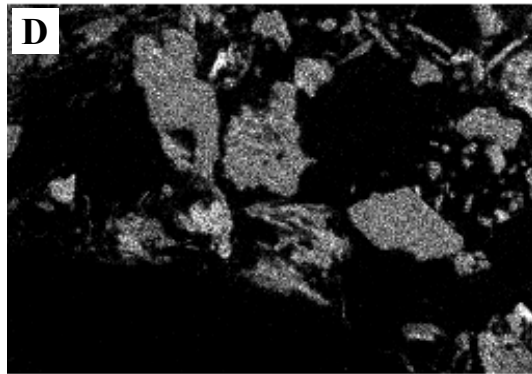
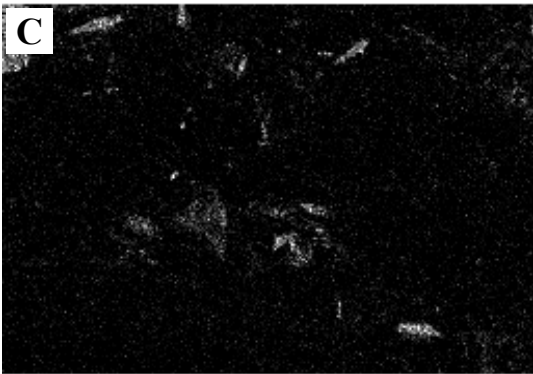
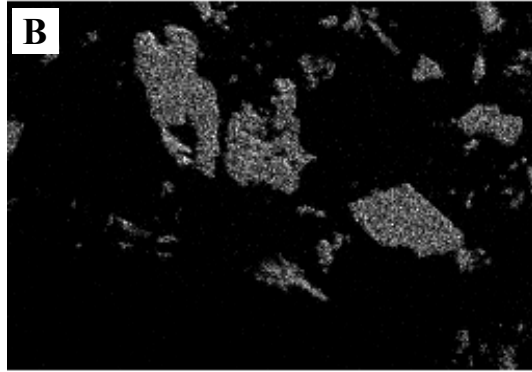
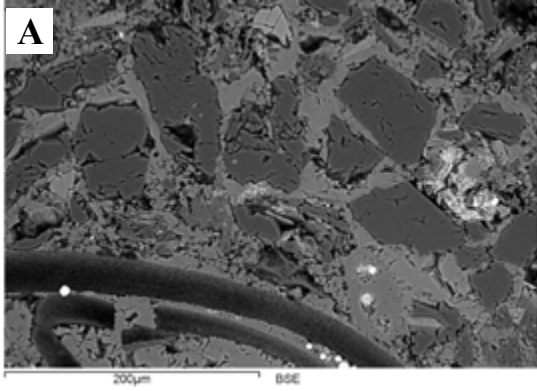


317-U1351B-100x-3, 15-17 cm 500 μ m

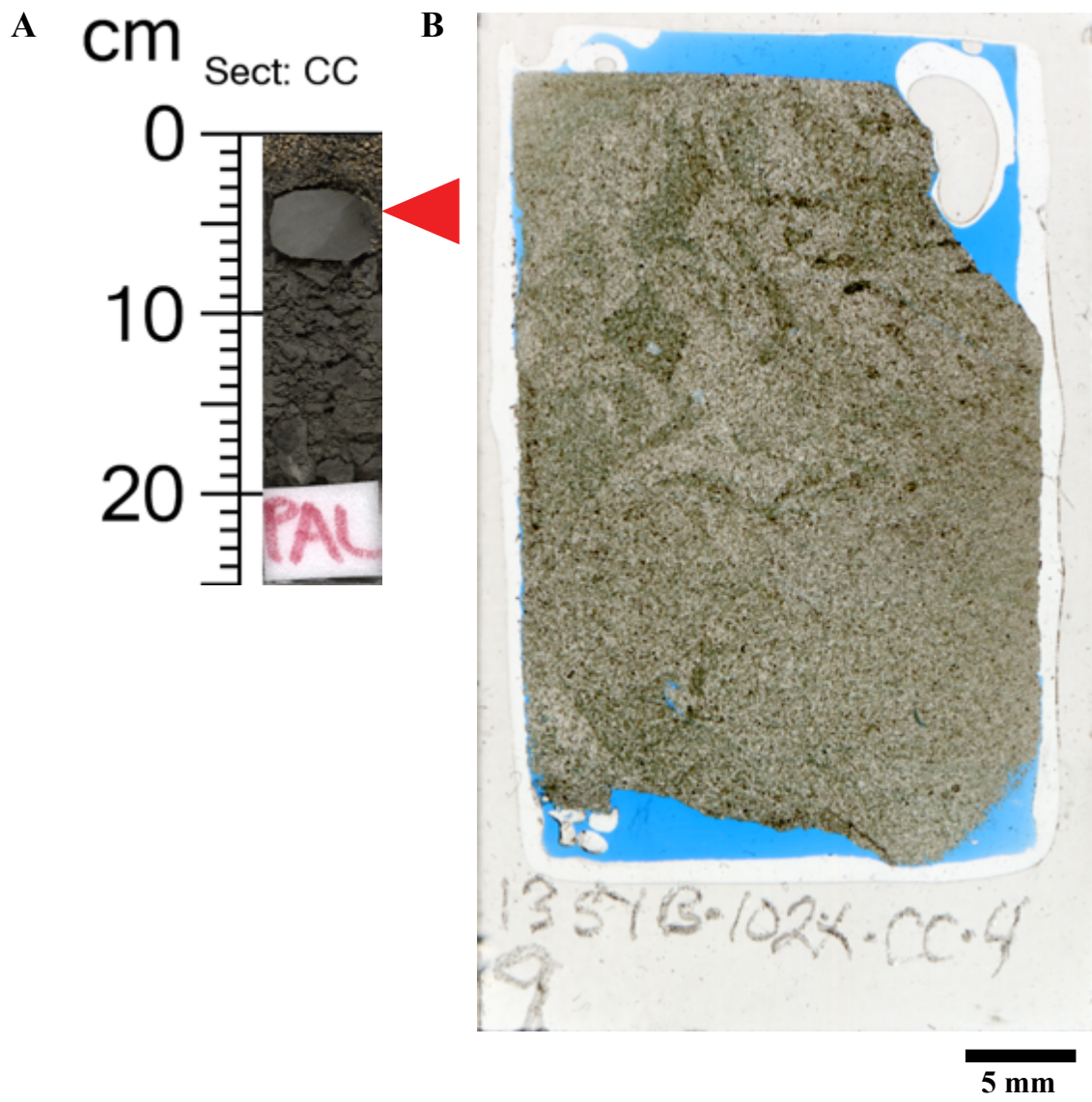


317-U1351B-100x-3, 15-17 cm 100 μ m

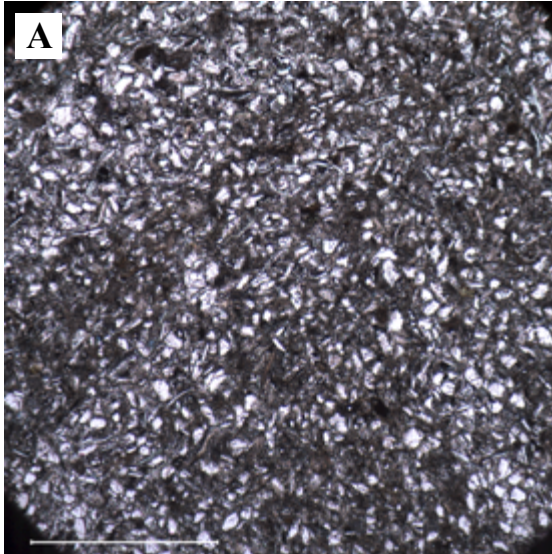
Appendix Figure 23.



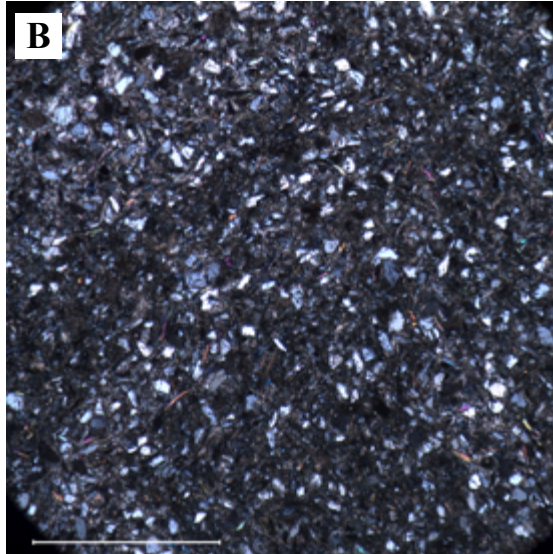
Appendix Figure 24.



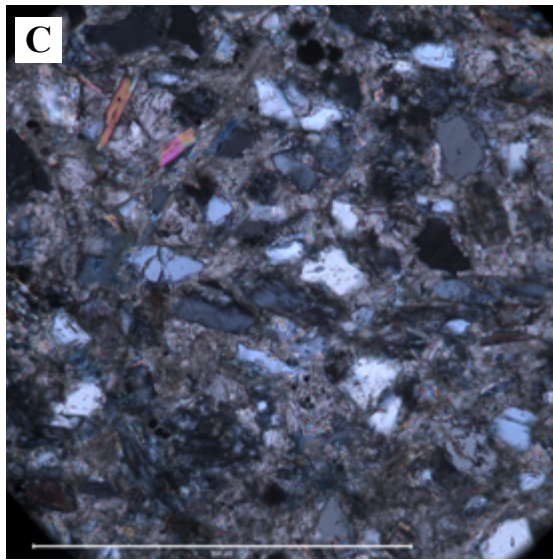
Appendix Figure 25.



317-U1351B-102X-CC, 4-8 cm 500 μ m

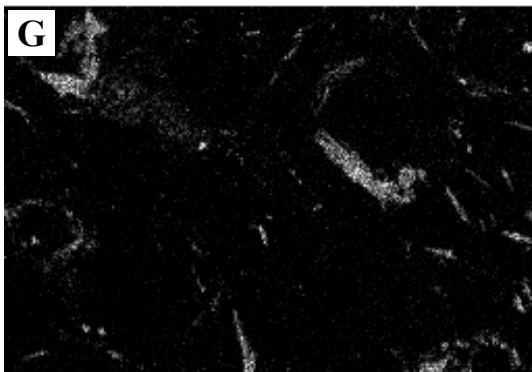
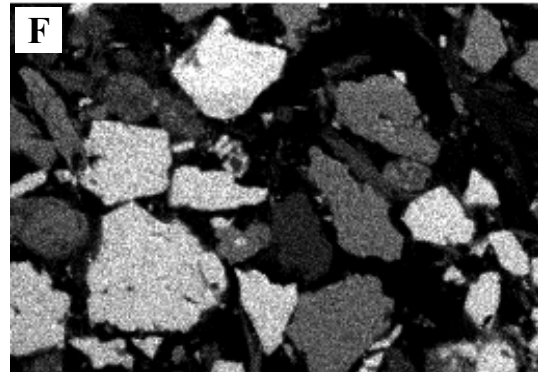
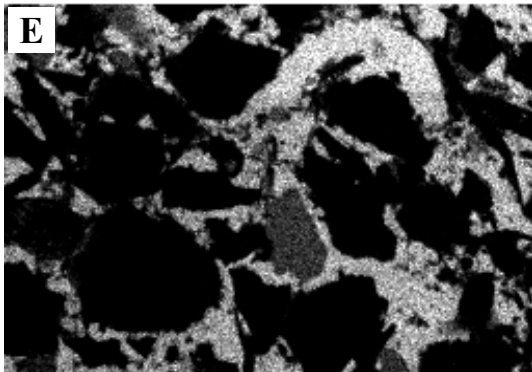
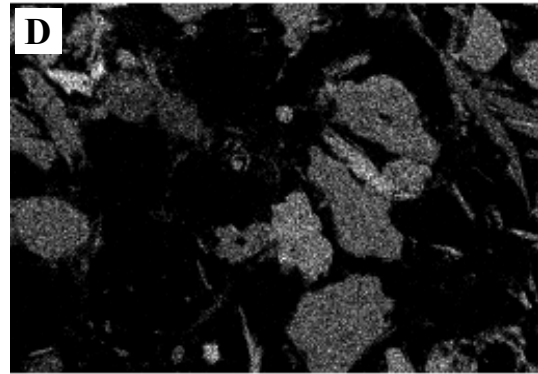
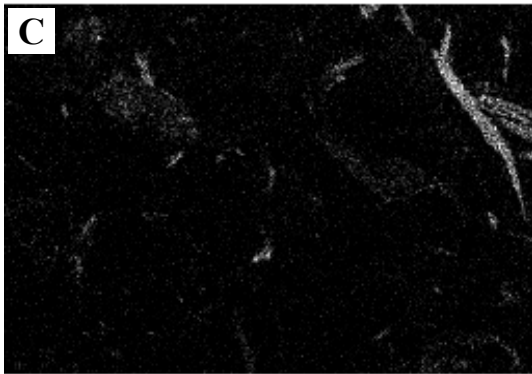
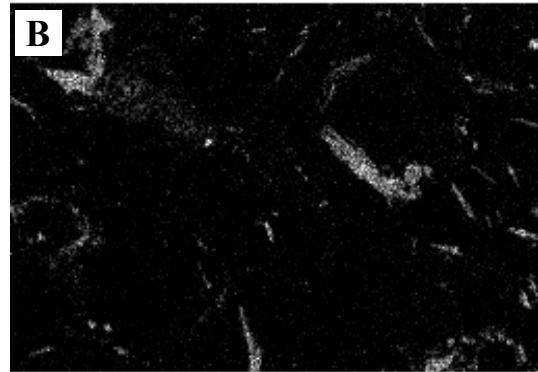
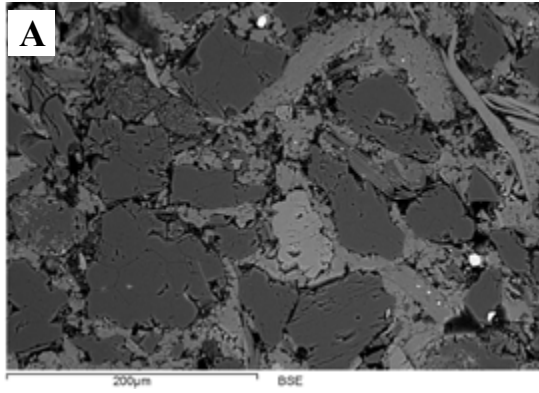


317-U1351B-102X-CC, 4-8 cm 500 μ m

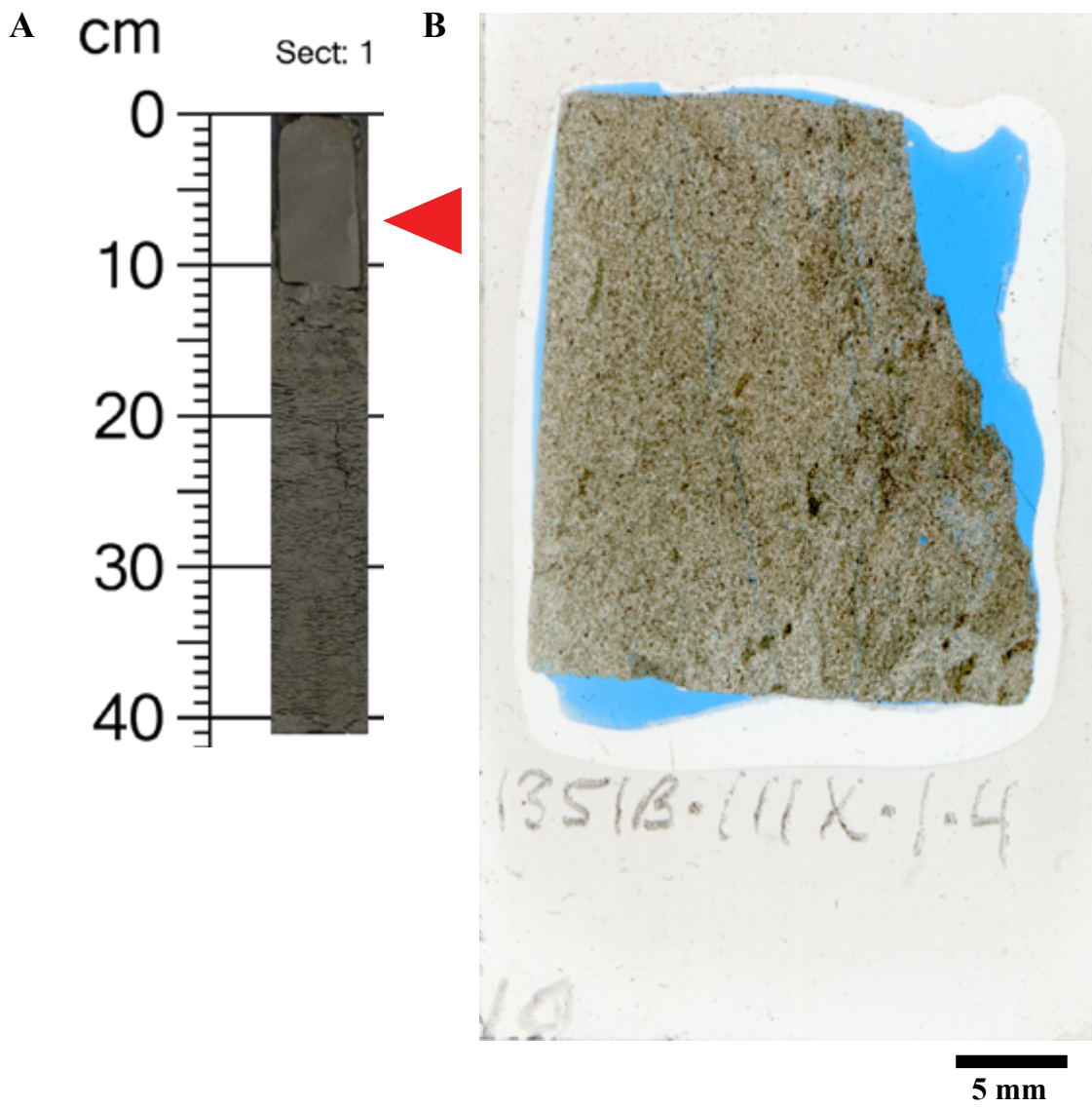


317-U1351B-102X-CC, 4-8 cm 100 μ m

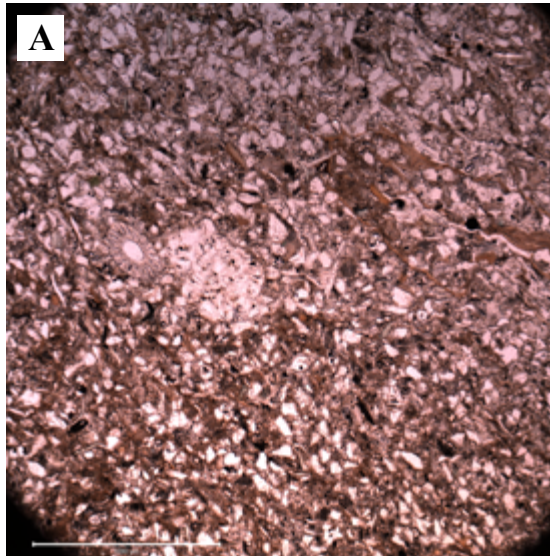
Appendix Figure 26.



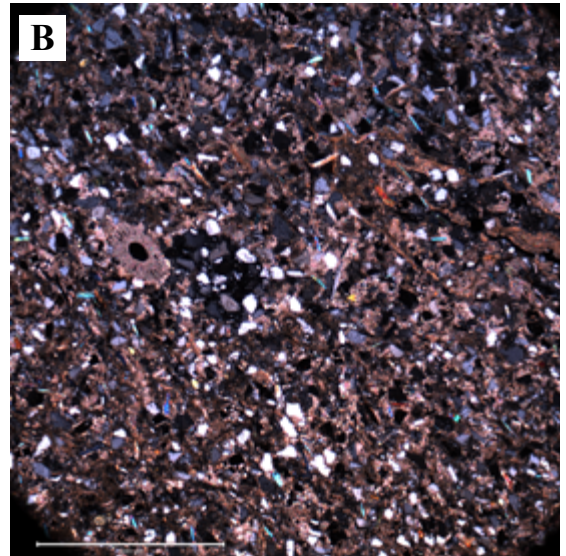
Appendix Figure 27.



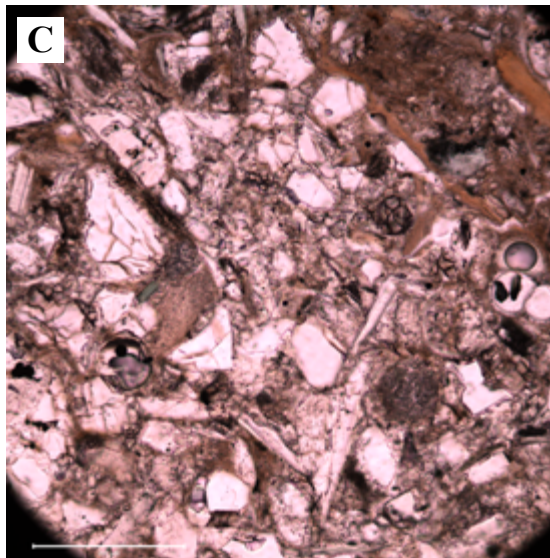
Appendix Figure 28.



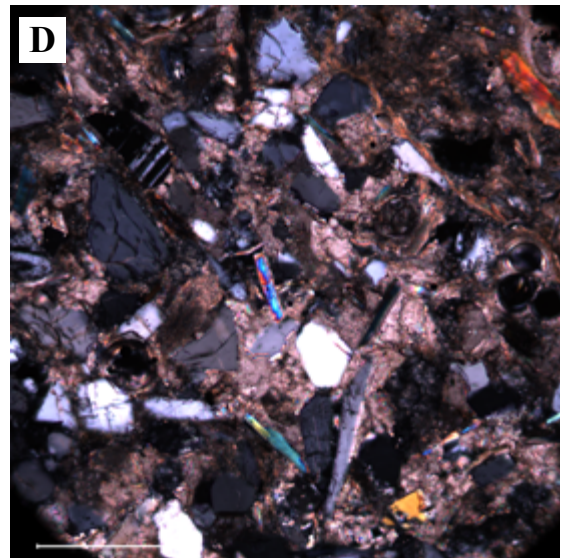
A
317-U1351B-111X-1, 4-7 cm 500 μ m



B
317-U1351B-111X-1, 4-7 cm 500 μ m

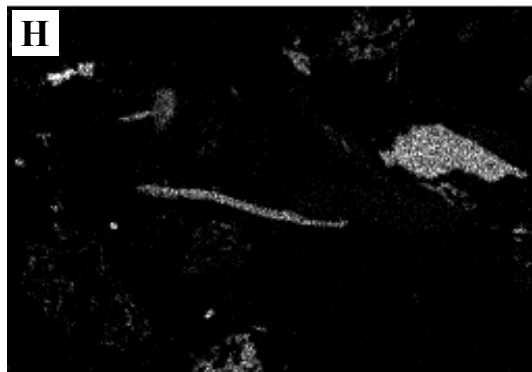
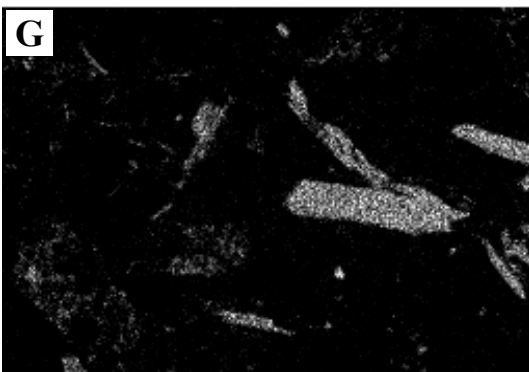
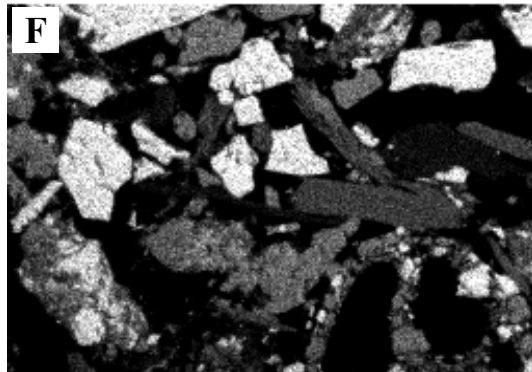
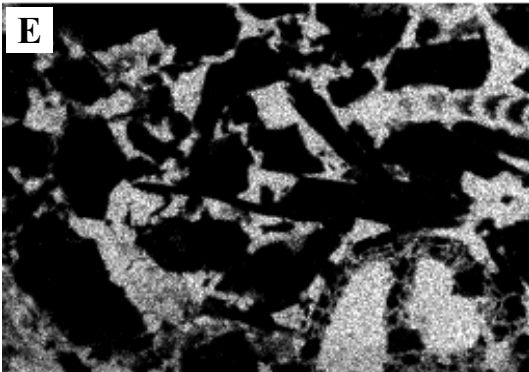
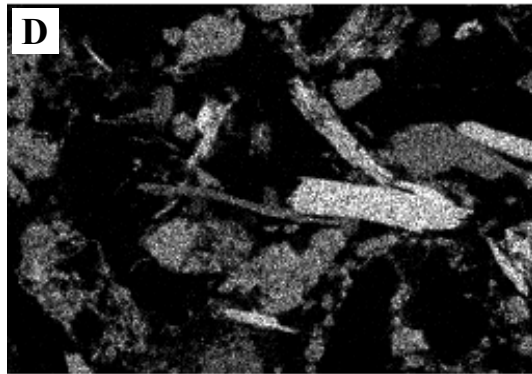
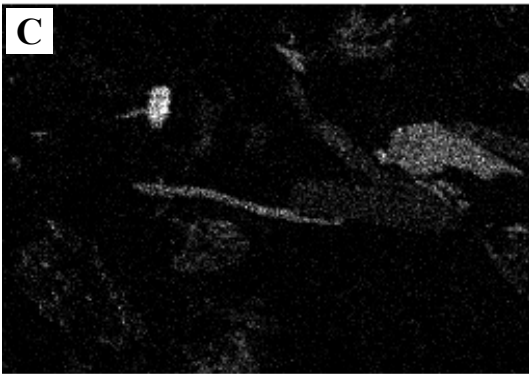
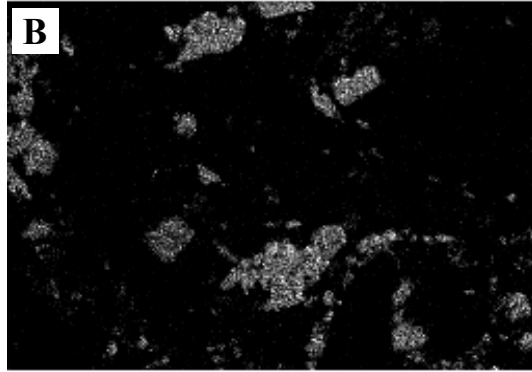
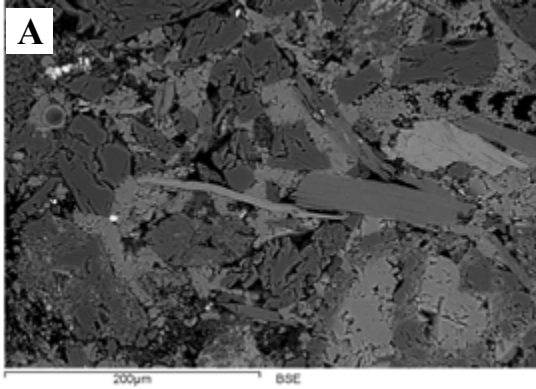


C
317-U1351B-111X-1, 4-7 cm 100 μ m

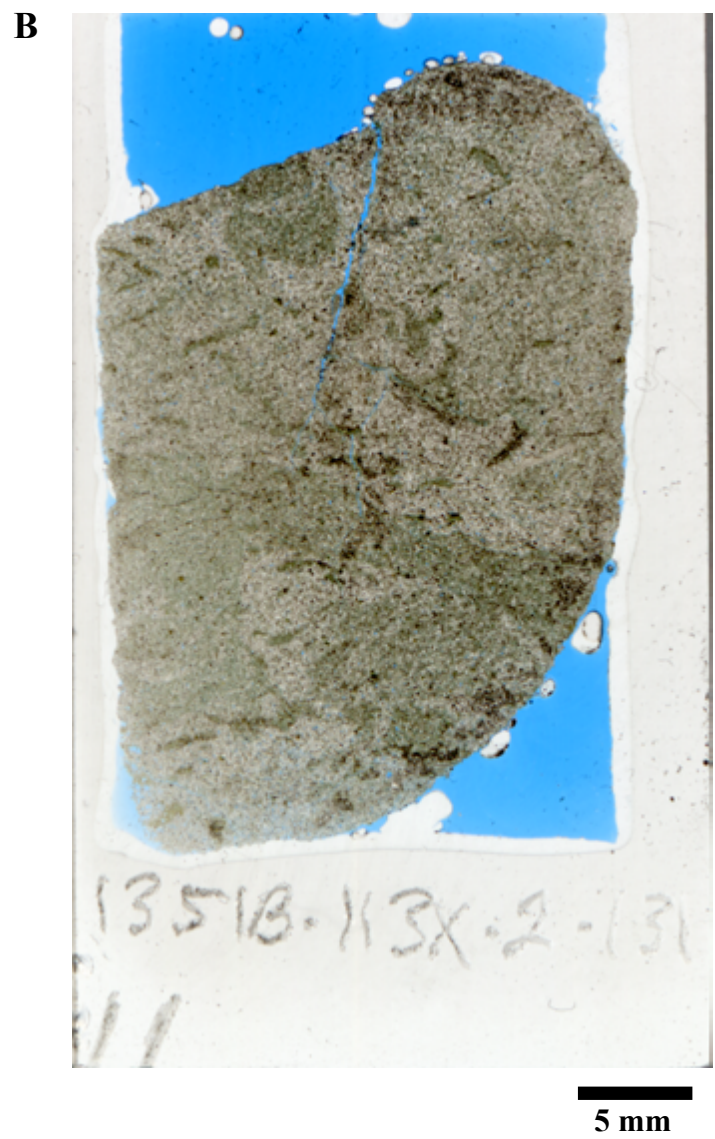
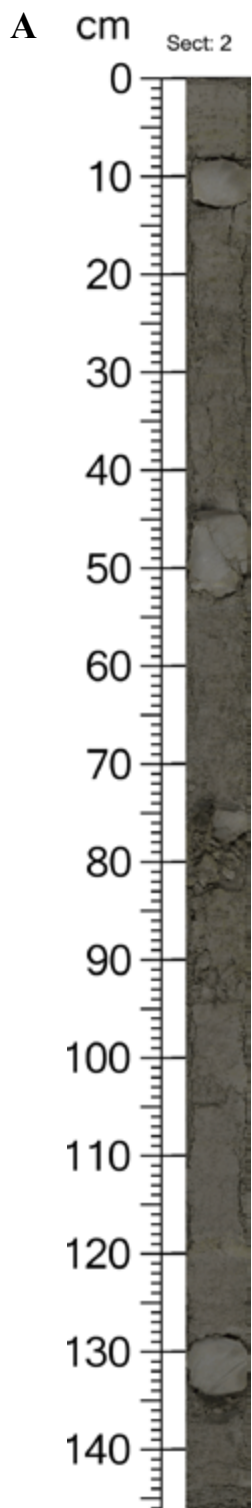


D
317-U1351B-111X-1, 4-7 cm 100 μ m

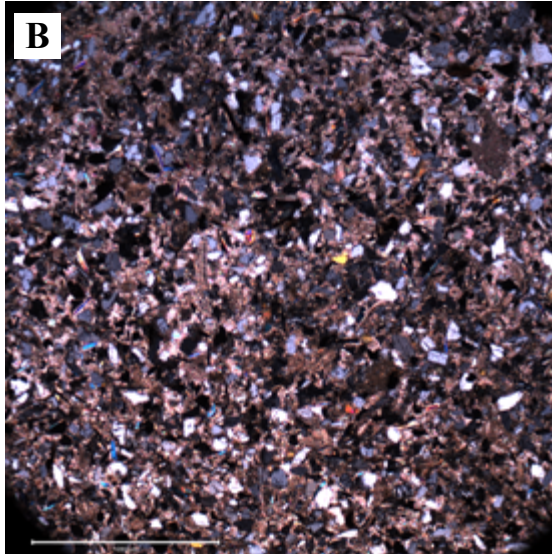
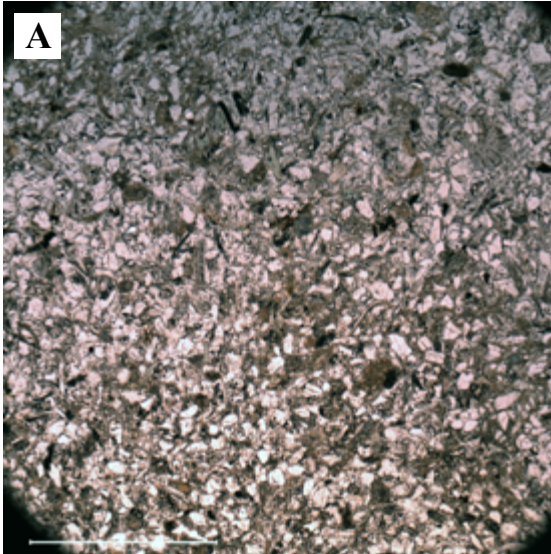
Appendix Figure 29.



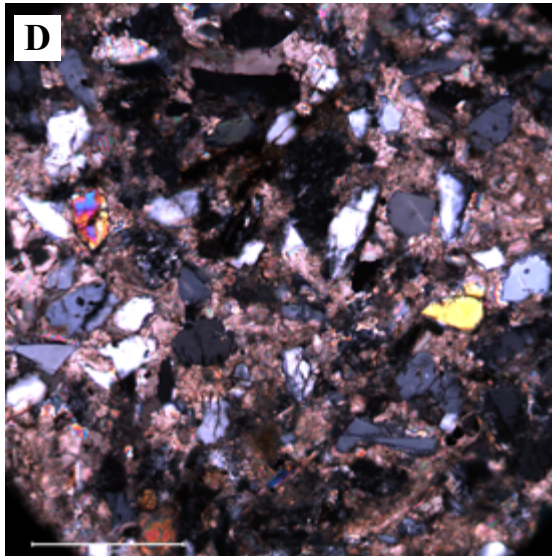
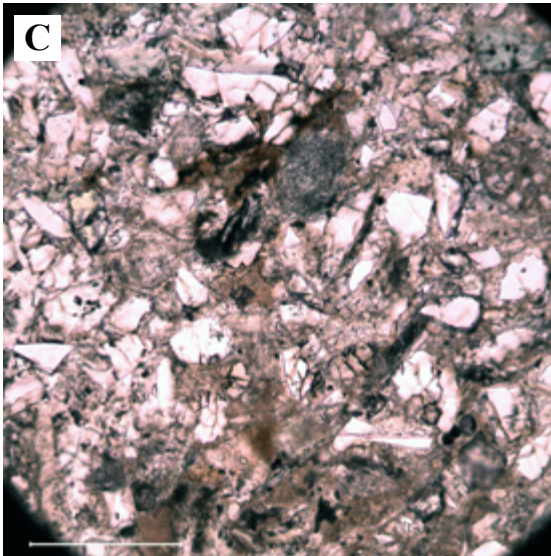
Appendix Figure 30.



Appendix Figure 31.

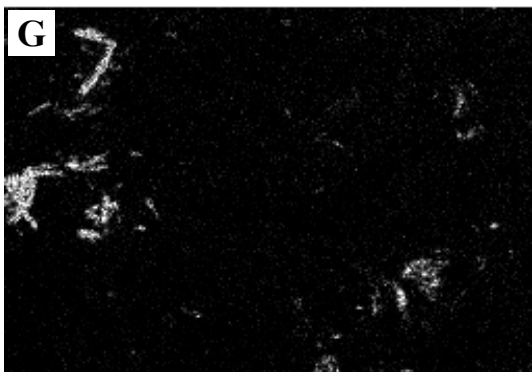
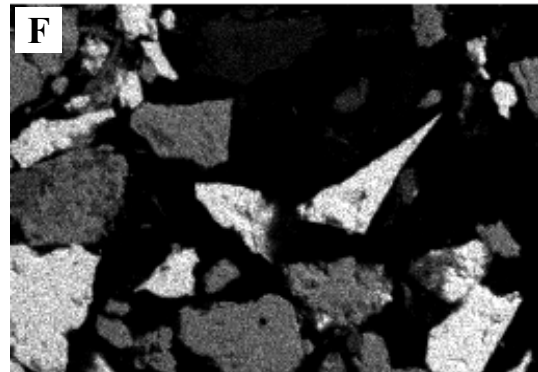
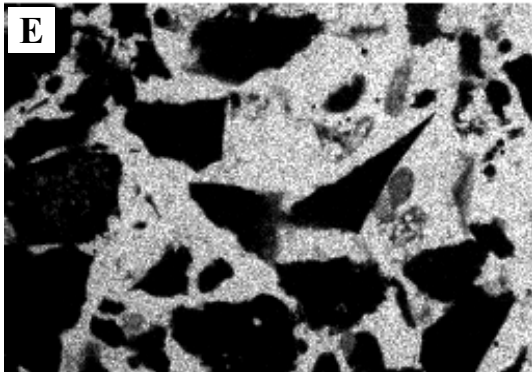
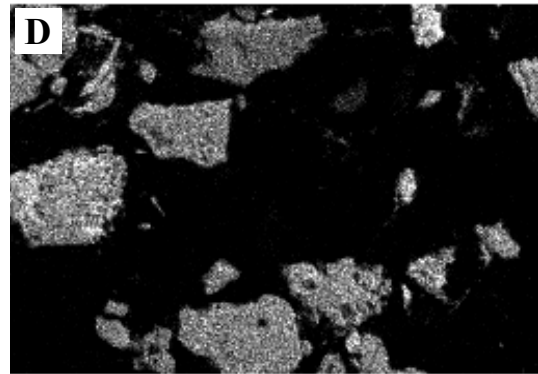
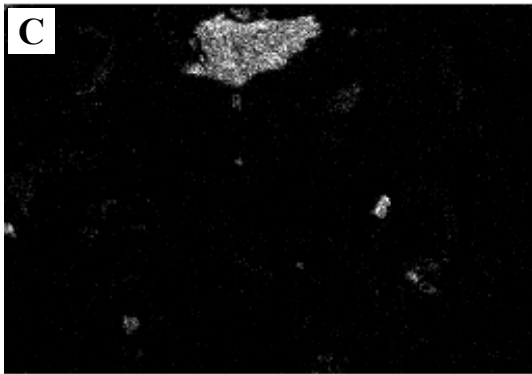
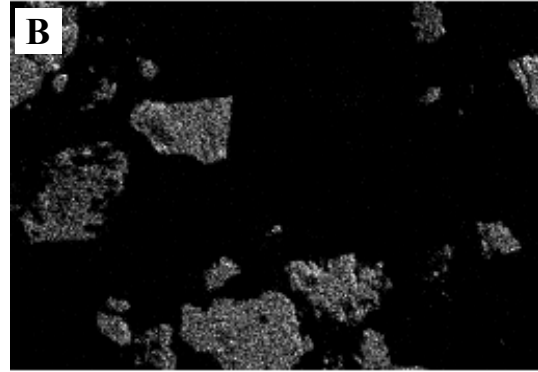
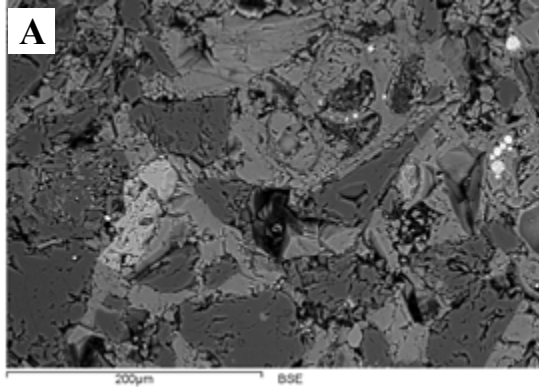


317-U1351B-113X-2, 131-135 cm 500 μm 317-U1351B-113X-2, 131-135 cm 500 μm

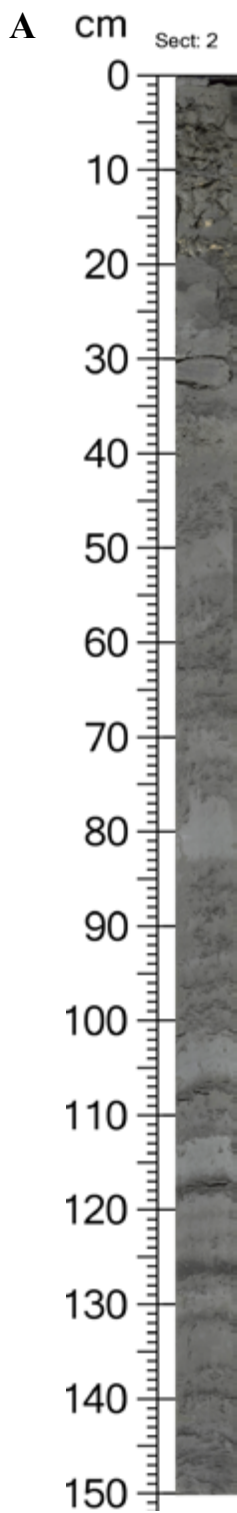


317-U1351B-113X-2, 131-135 cm 100 μm 317-U1351B-113X-2, 131-135 cm 100 μm

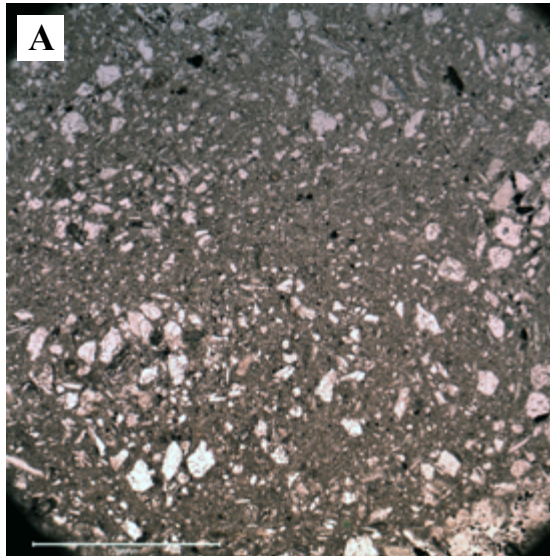
Appendix Figure 32.



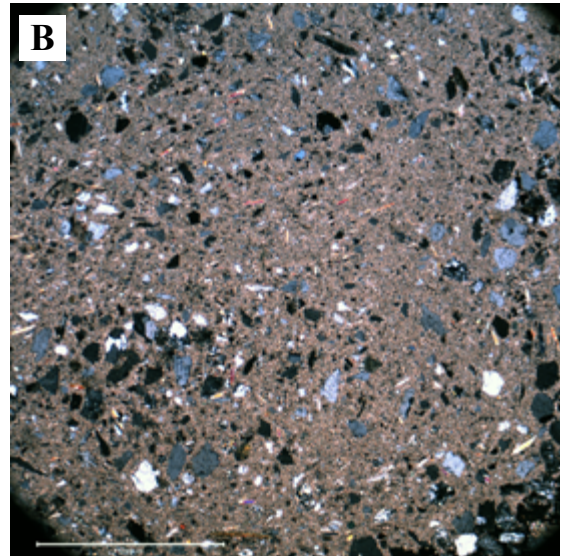
Appendix Figure 33.



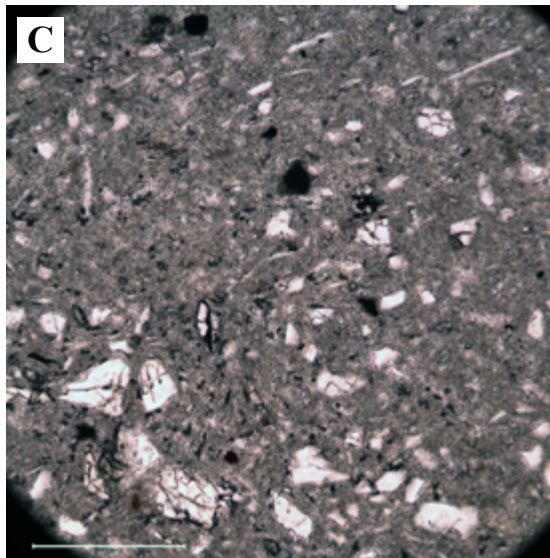
Appendix Figure 34.



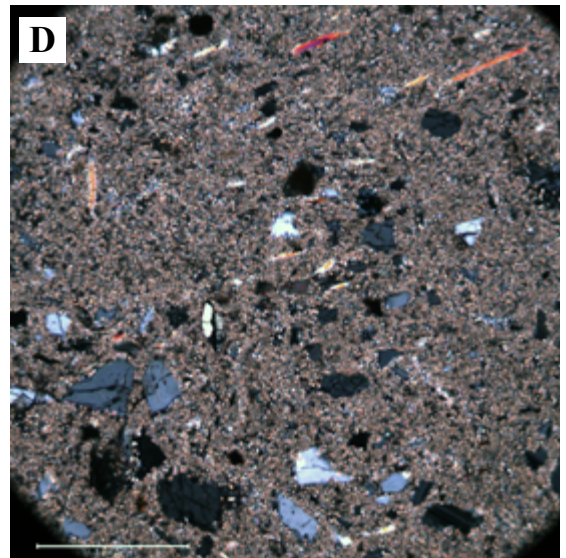
A
317-U1352B-2H-2W, 32 cm 500 μm



B
317-U1352B-2H-2W, 32 cm 500 μm

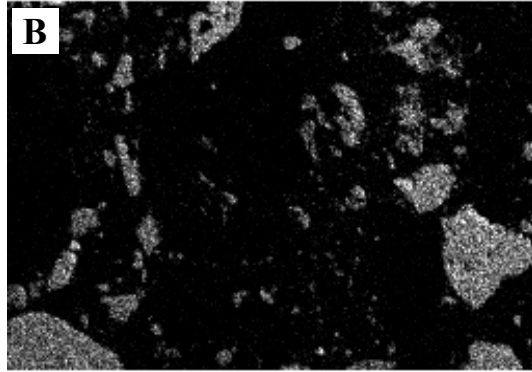
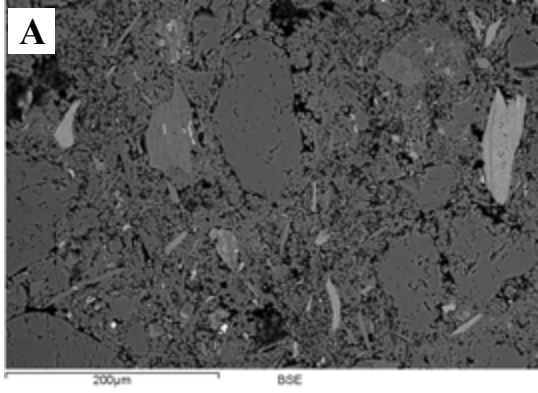


C
317-U1352B-2H-2W, 32 cm 100 μm

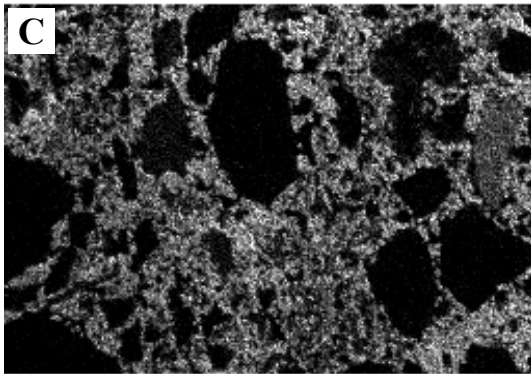


D
317-U1352B-2H-2W, 32 cm 100 μm

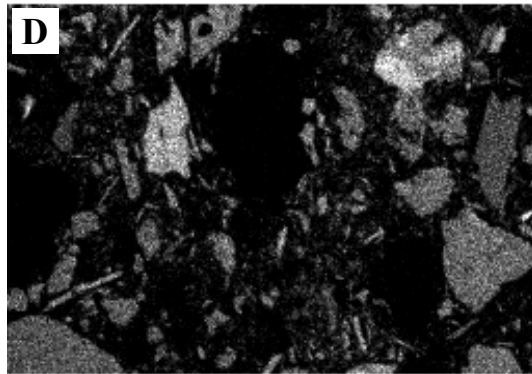
Appendix Figure 35.



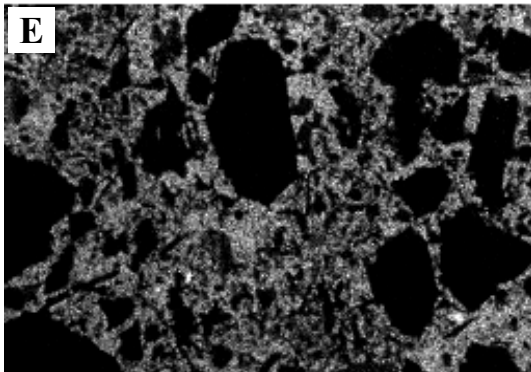
Na Ka1_2



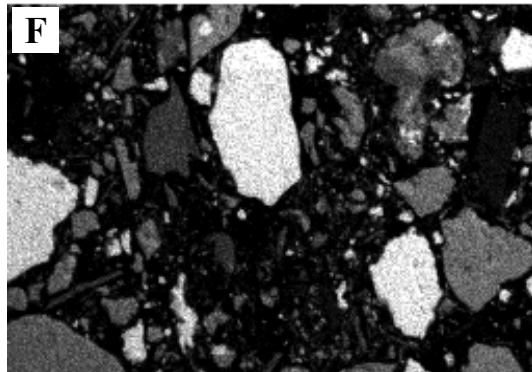
Mg Ka1_2



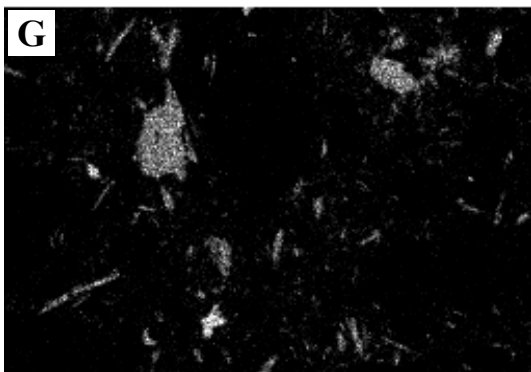
Al Ka1



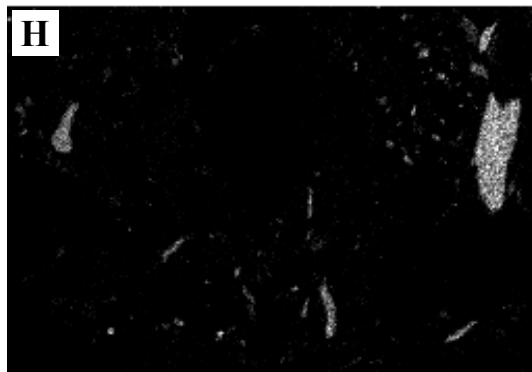
Ca Ka1



Si Ka1

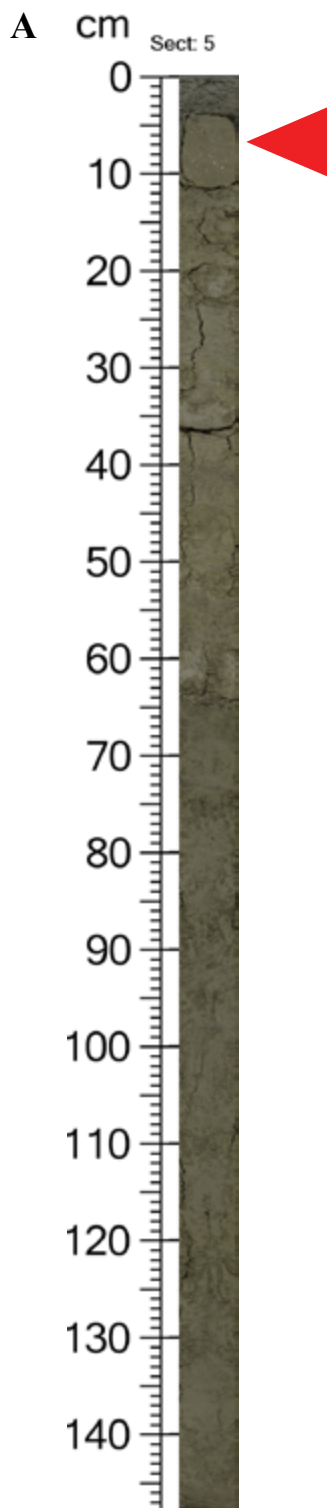


K Ka1

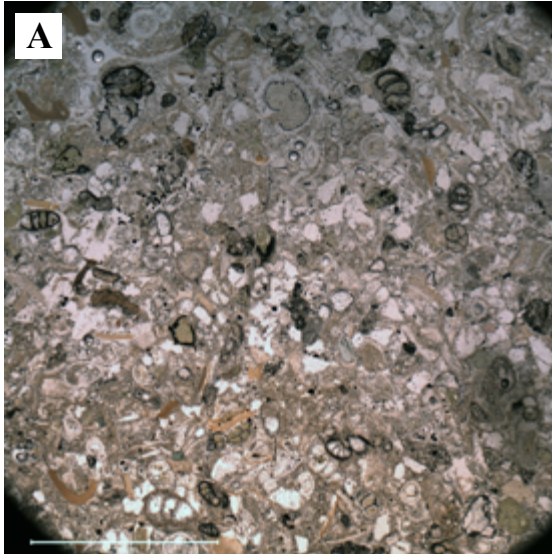


Fe Ka1

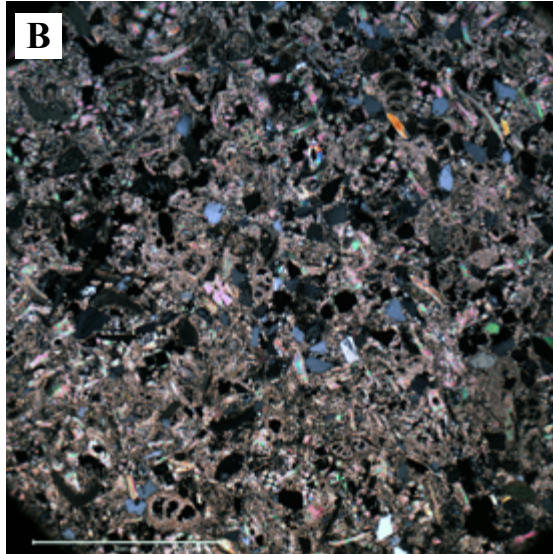
Appendix Figure 36.



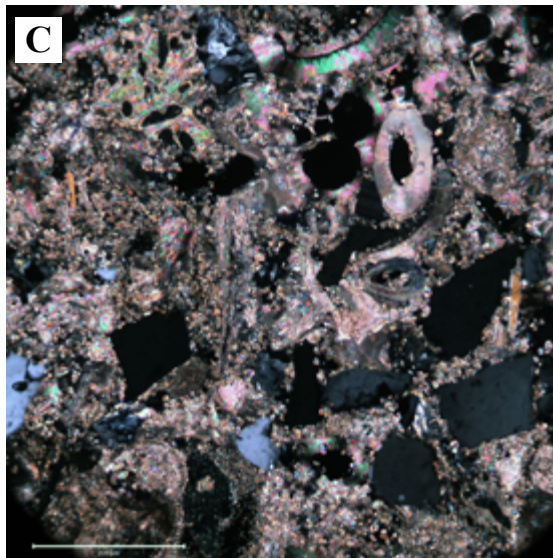
Appendix Figure 37.



A
317-U1352B-42X-5W, 5 cm 500 μ m

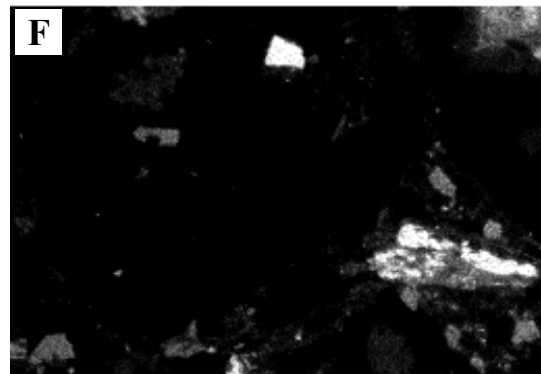
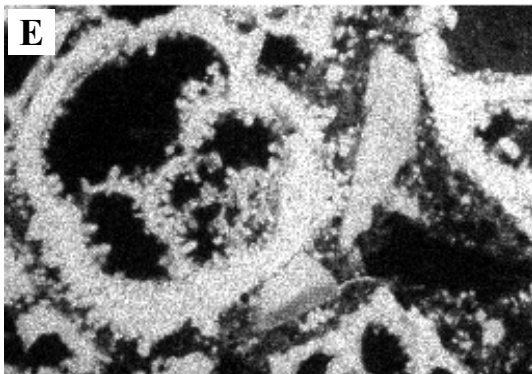
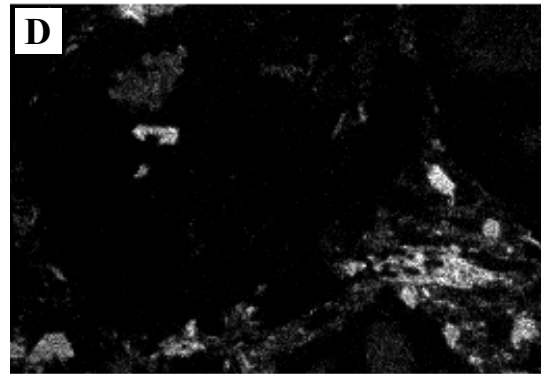
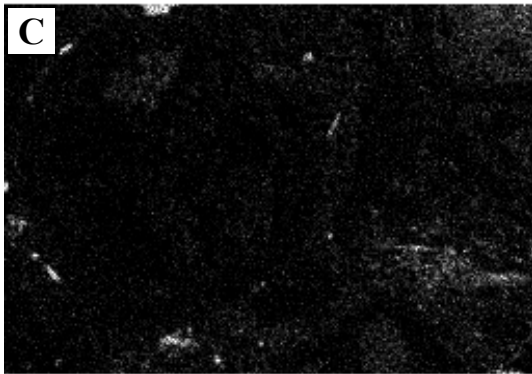
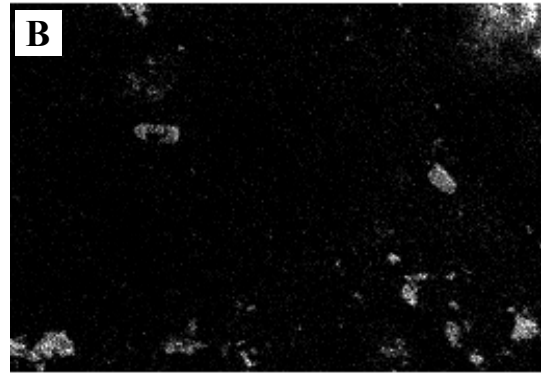
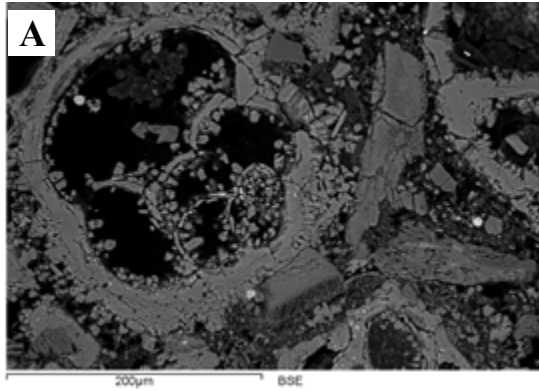


B
317-U1352B-42X-5W, 5 cm 500 μ m

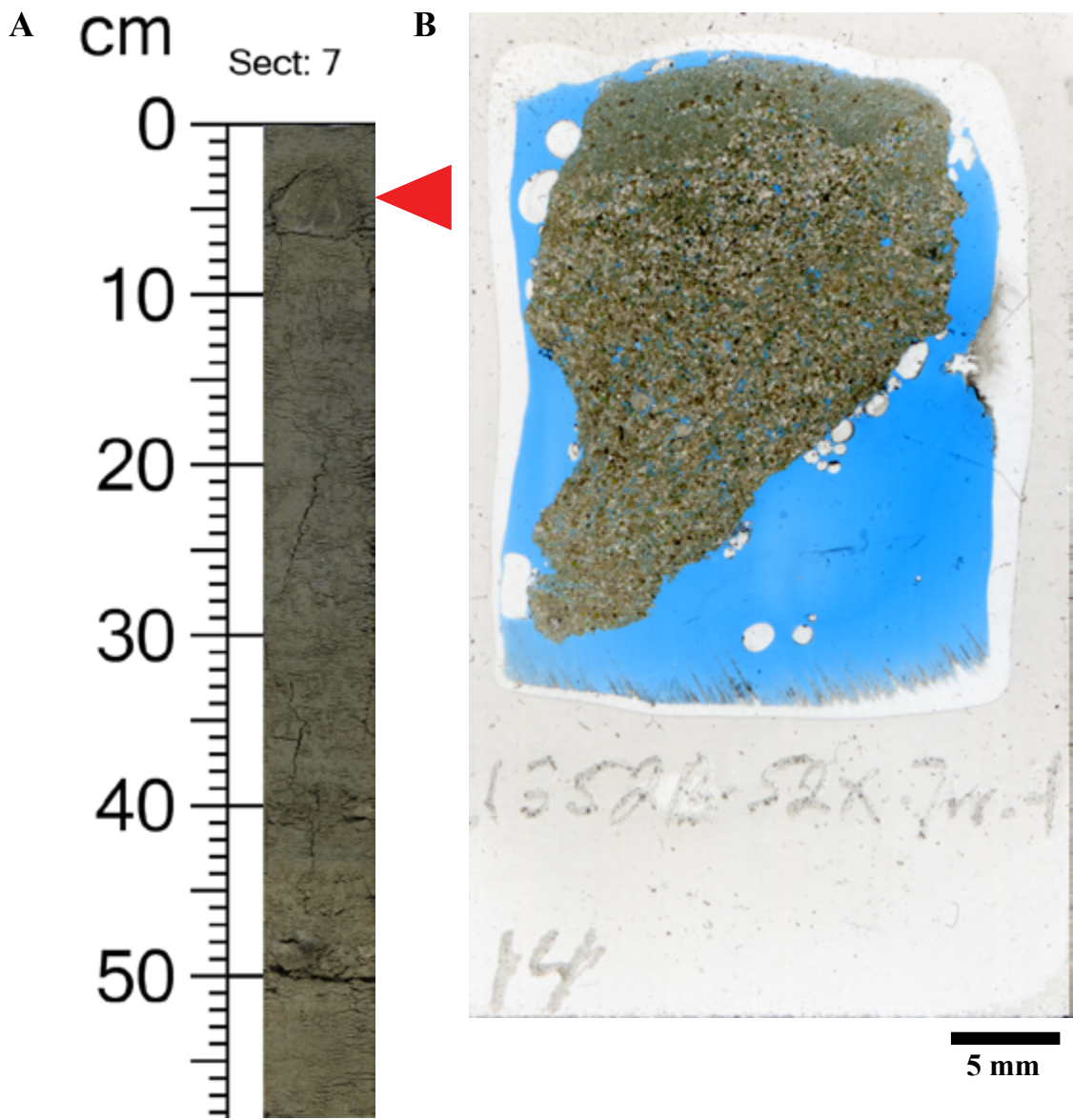


C
317-U1352B-42X-5W, 5 cm 100 μ m

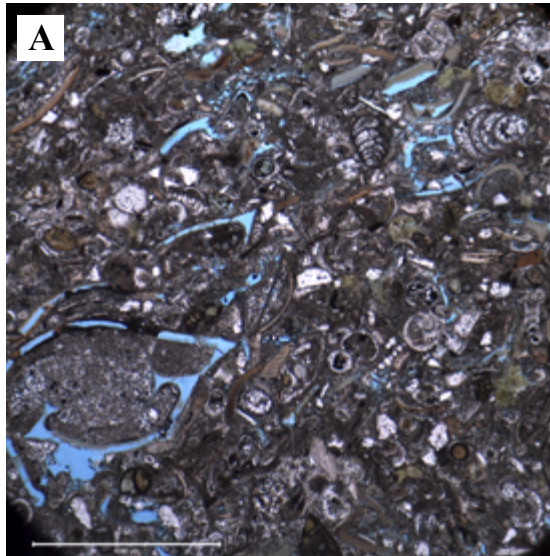
Appendix Figure 38.



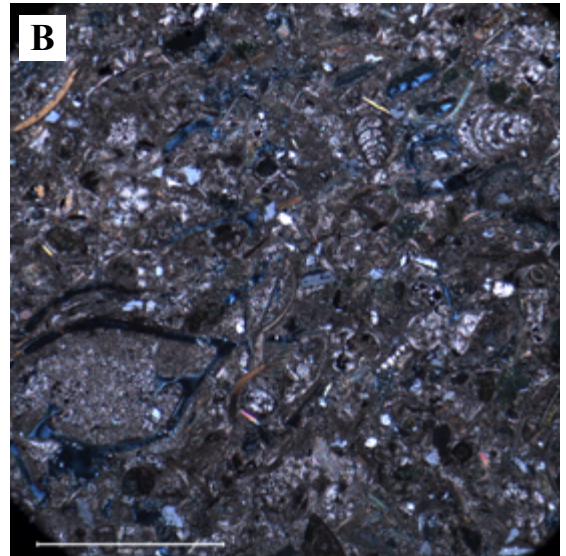
Appendix Figure 39.



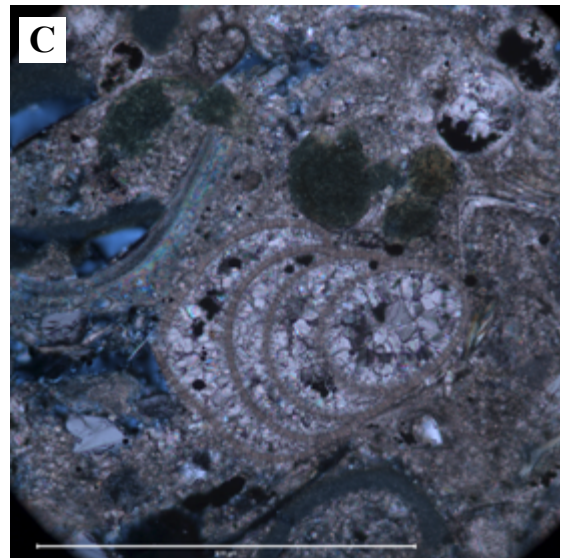
Appendix Figure 40.



A
317-U1352B-52X-7W, 4 cm 500 μ m

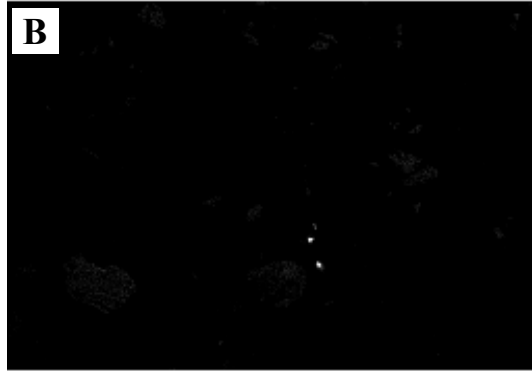
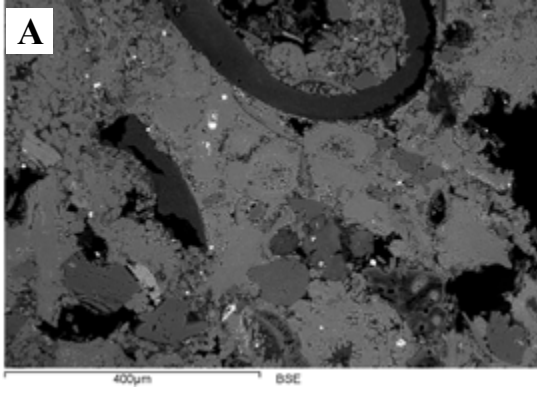


B
317-U1352B-52X-7W, 4 cm 500 μ m

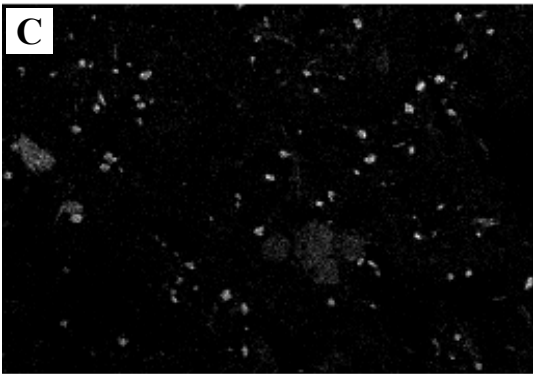


C
317-U1352B-52X-7W, 4 cm 100 μ m

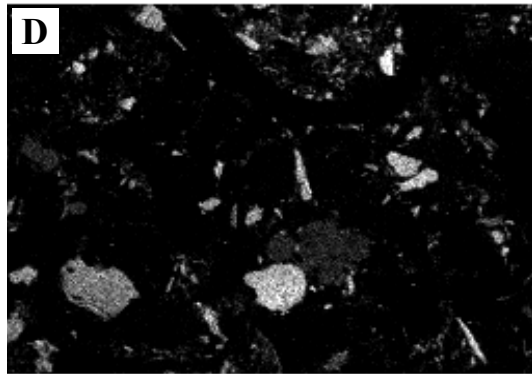
Appendix Figure 41.



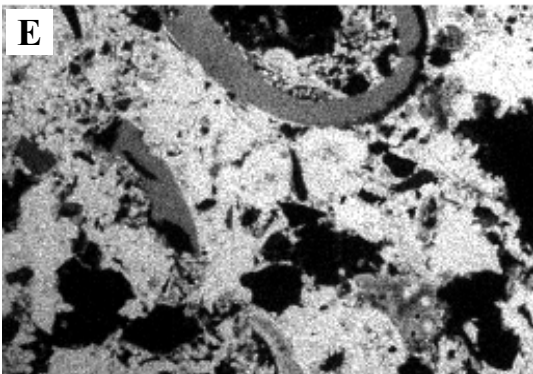
Na Ka1_2



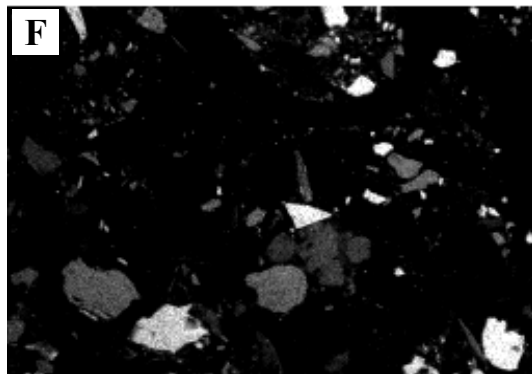
Mg Ka1_2



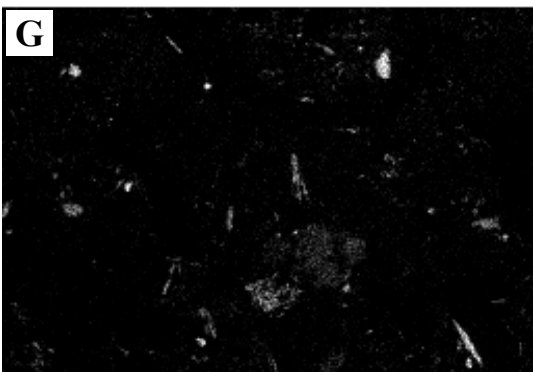
Al Ka1



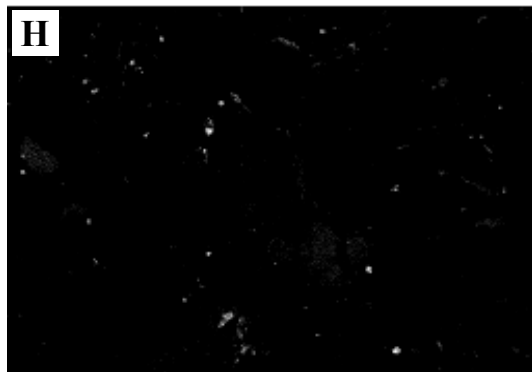
Ca Ka1



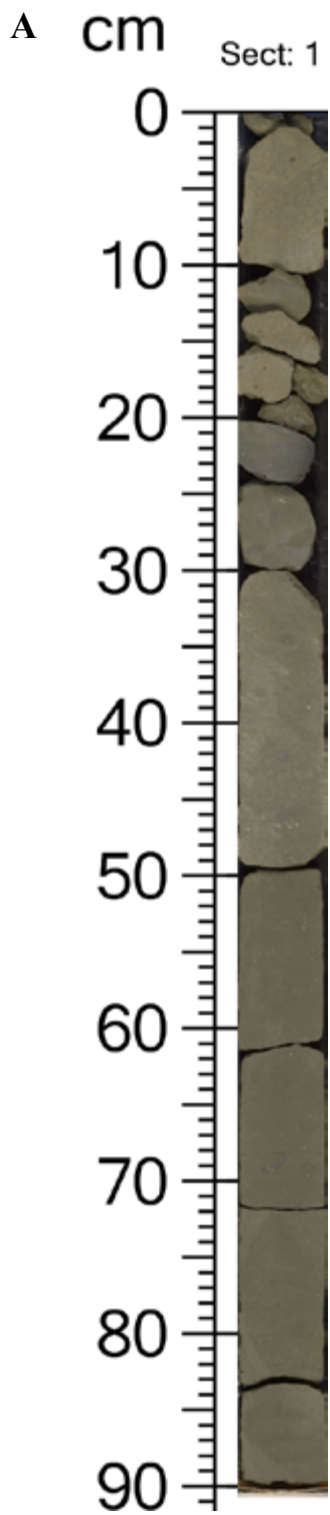
Si Ka1



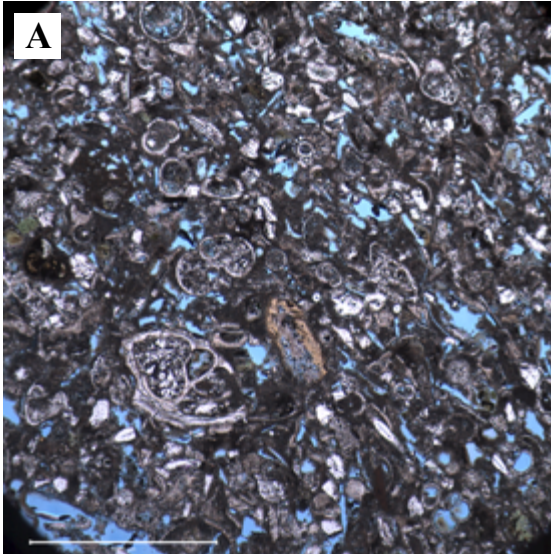
K Ka1



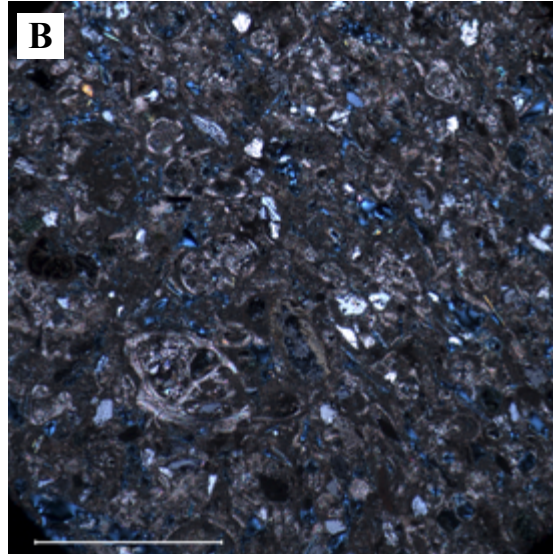
Fe Ka1



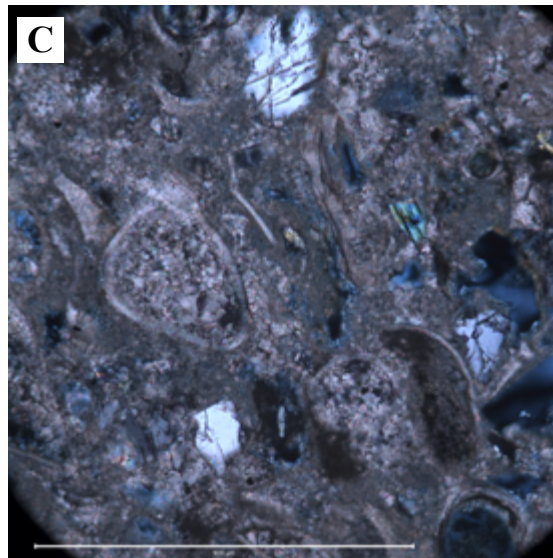
Appendix Figure 43.



317-U1352C-2R-1W, 12 cm 500 µm

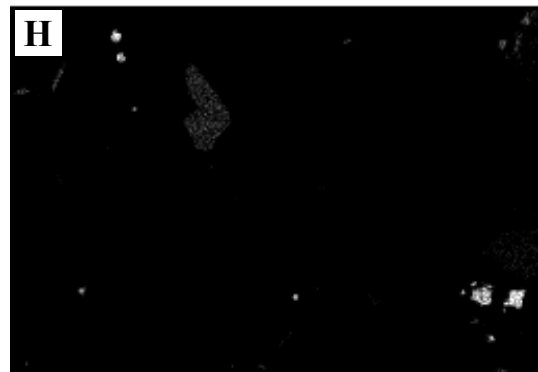
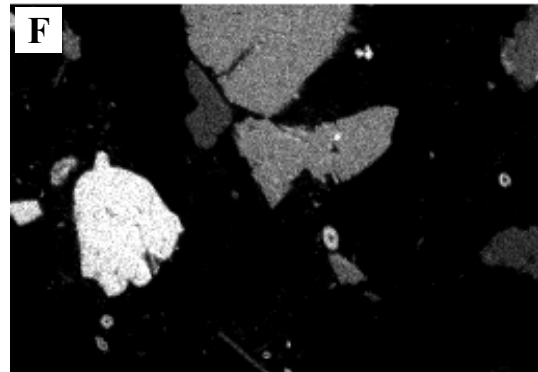
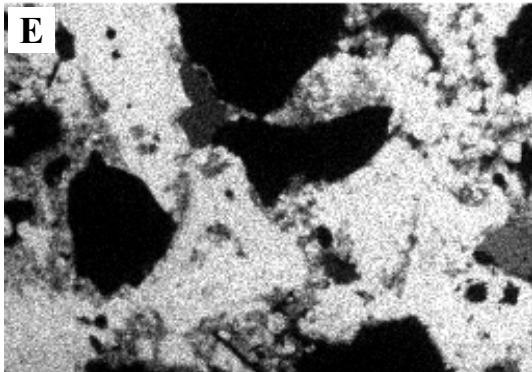
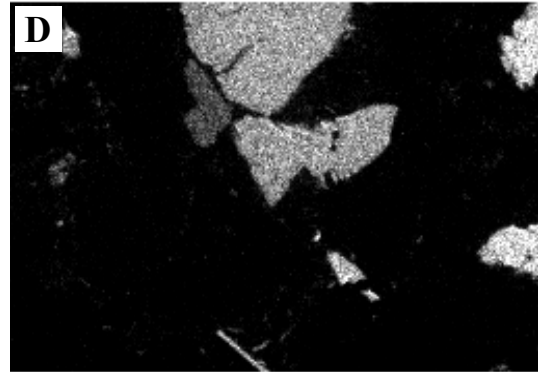
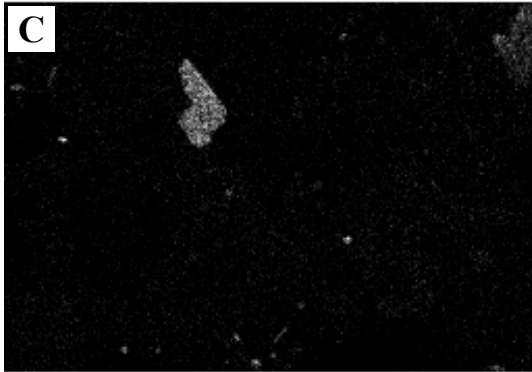
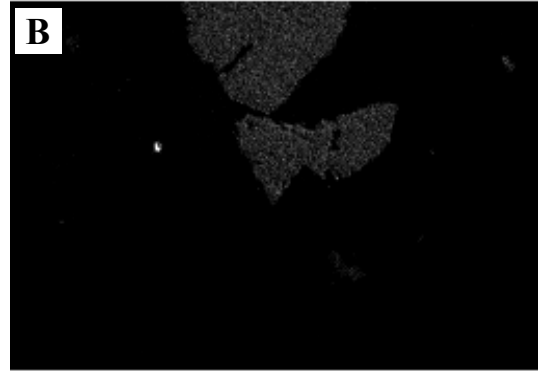
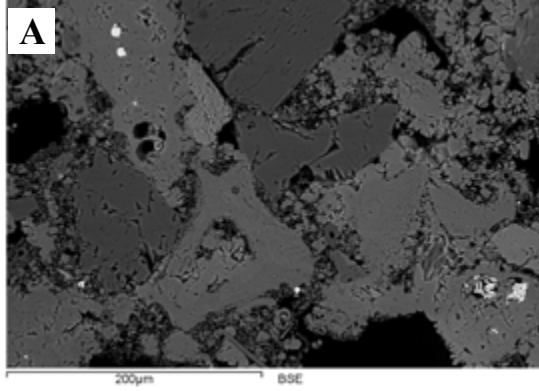


317-U1352C-2R-1W, 12 cm 500 µm

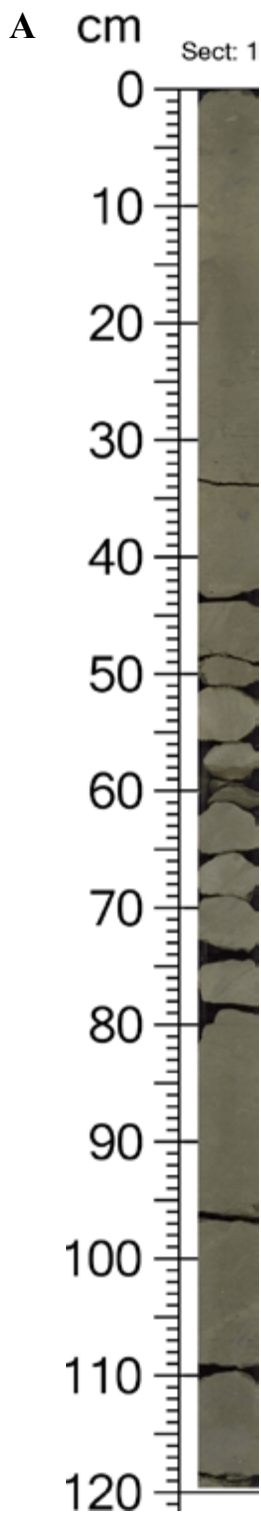


317-U1352C-2R-1W, 12 cm 100 µm

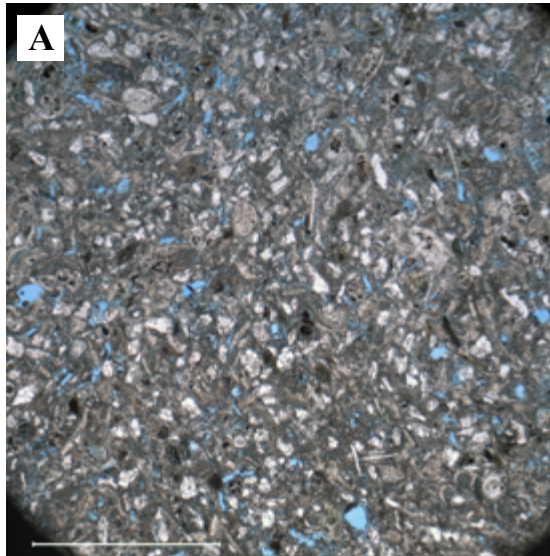
Appendix Figure 44.



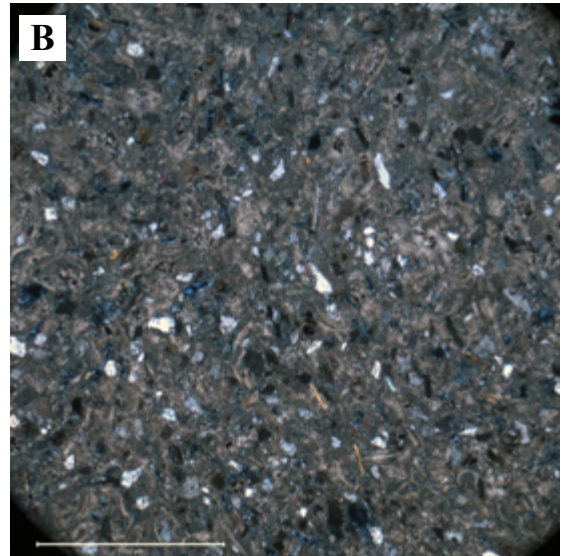
Appendix Figure 45.



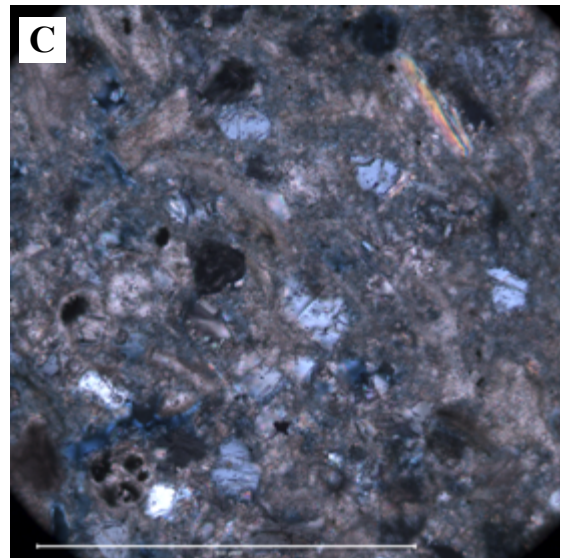
Appendix Figure 46.



A
317-U1352C-3R-1W, 68 cm 500 μ m

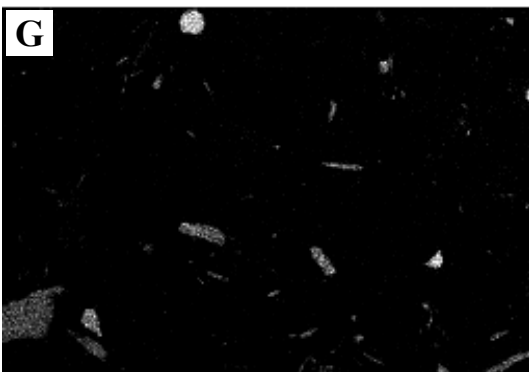
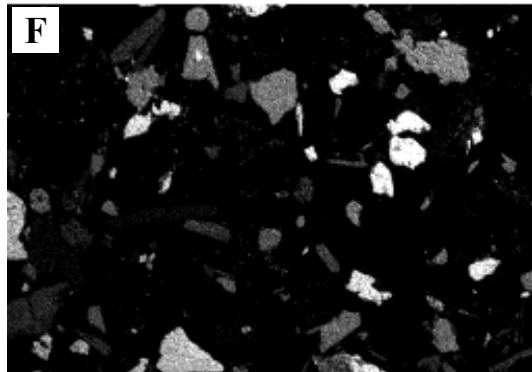
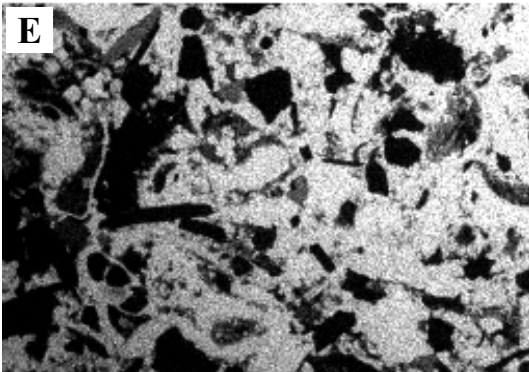
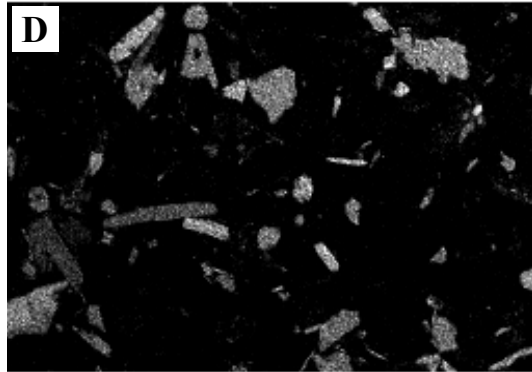
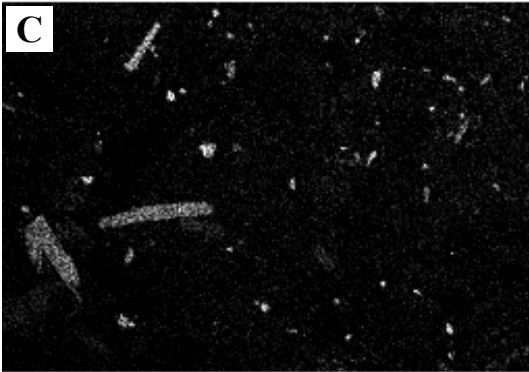
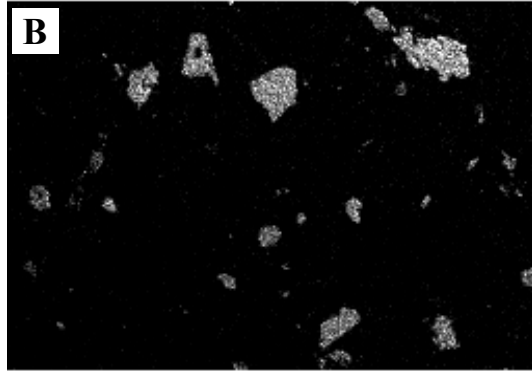
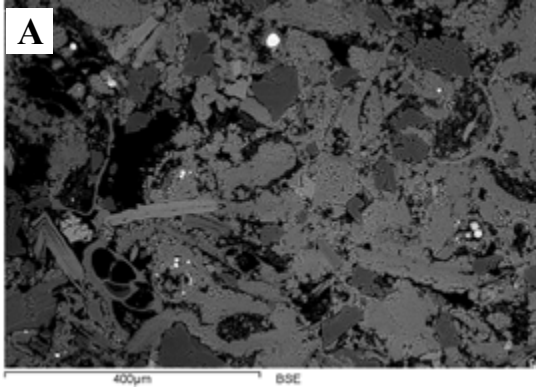


B
317-U1352C-3R-1W, 68 cm 500 μ m

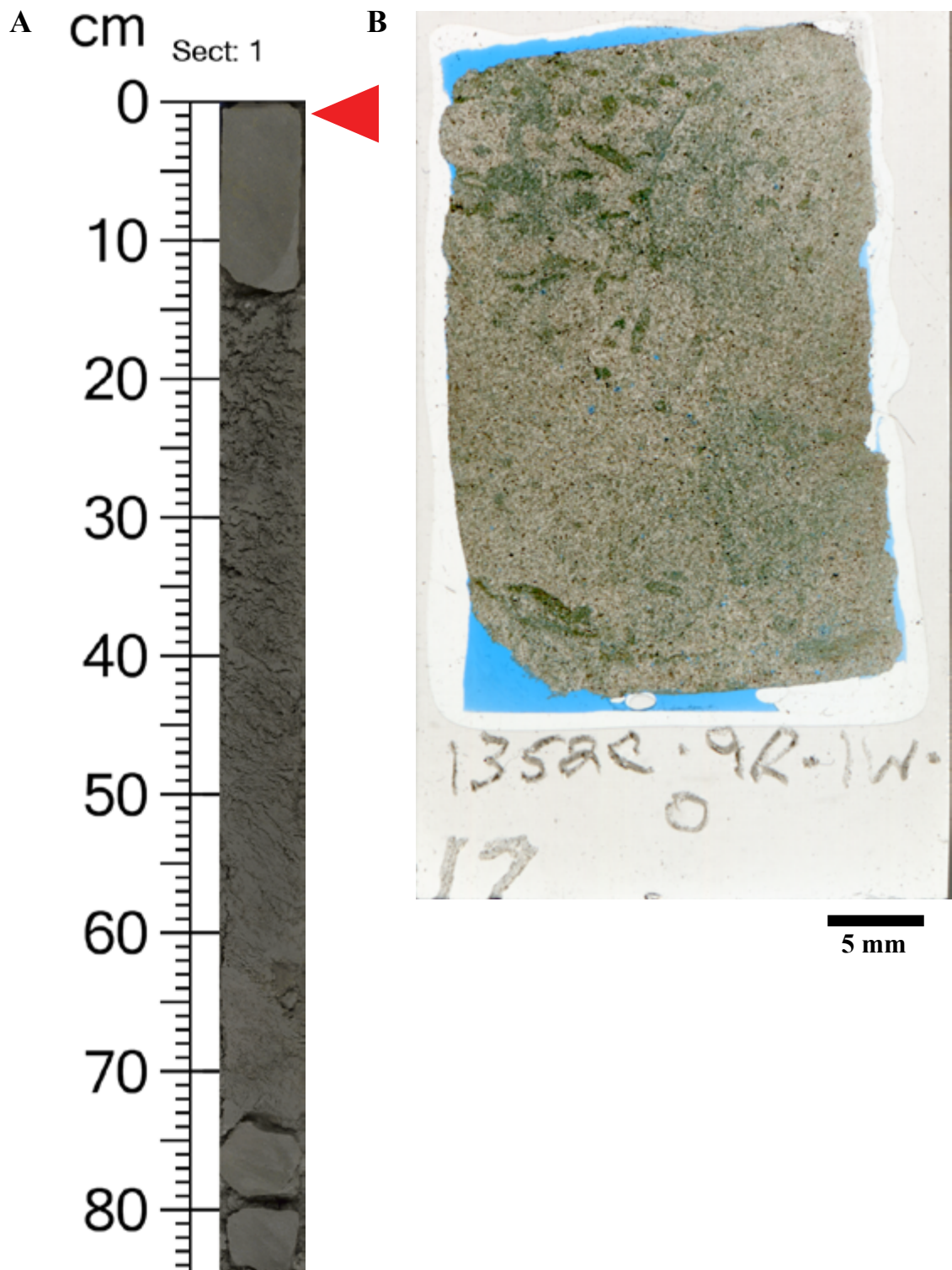


C
317-U1352C-3R-1W, 68 cm 100 μ m

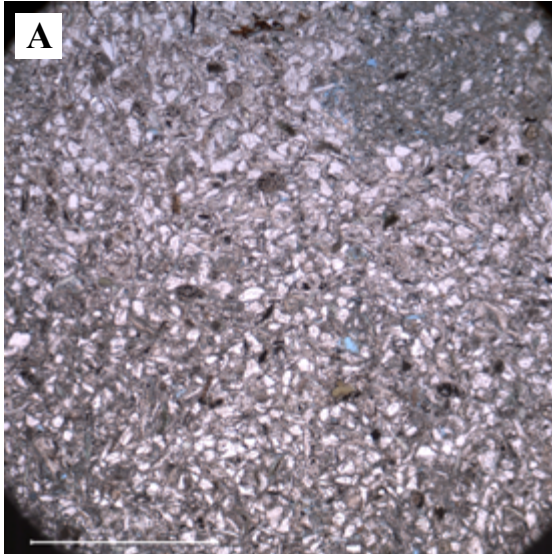
Appendix Figure 47.



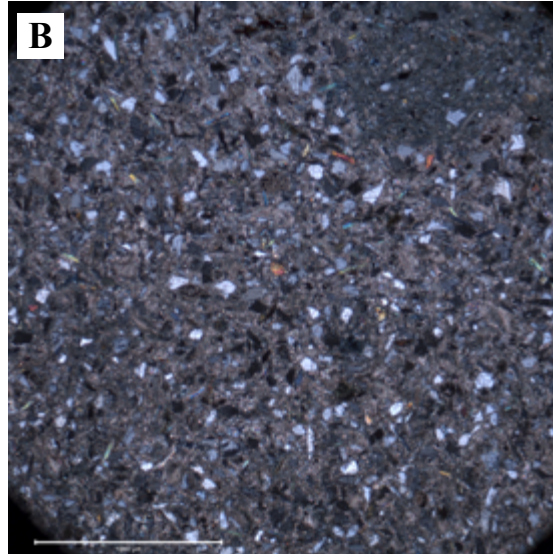
Appendix Figure 47.



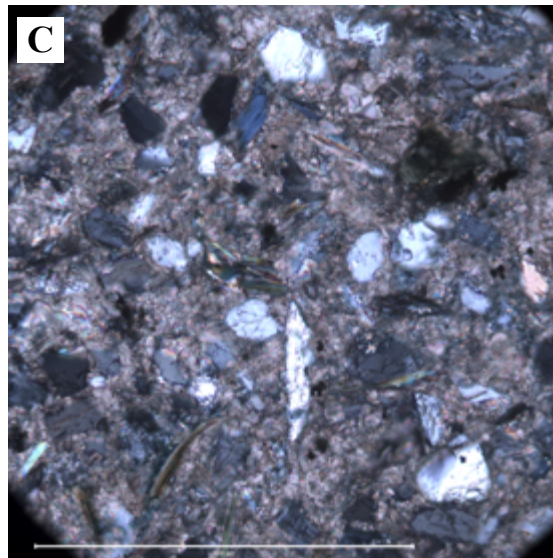
Appendix Figure 49.



A
317-U1352C-9R-1W, 0 cm 500 μ m

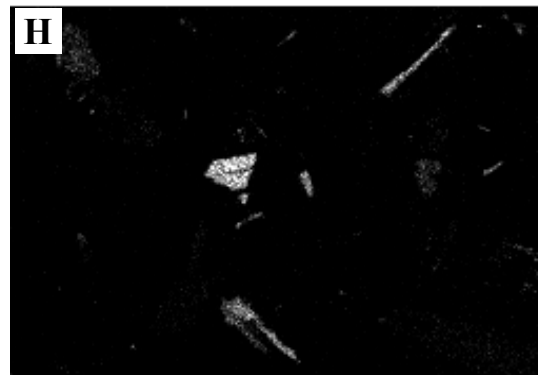
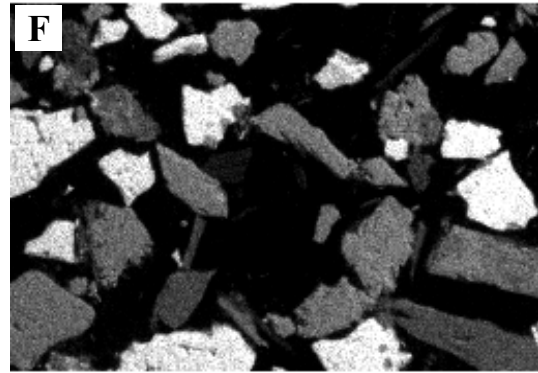
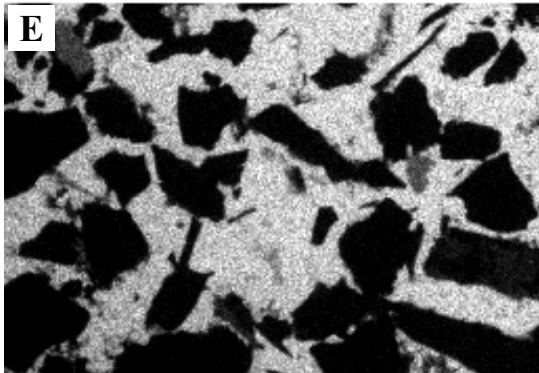
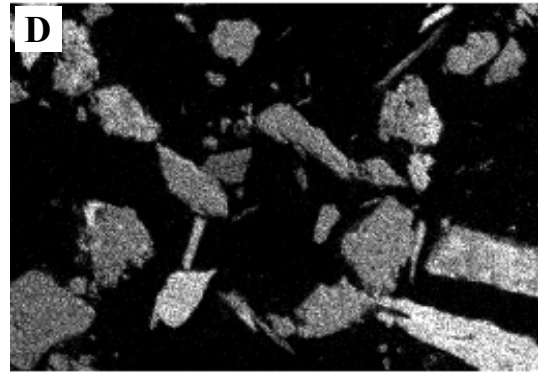
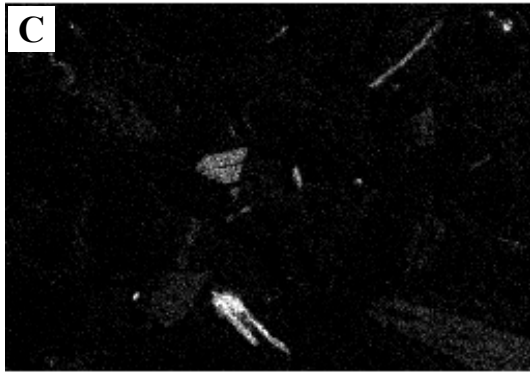
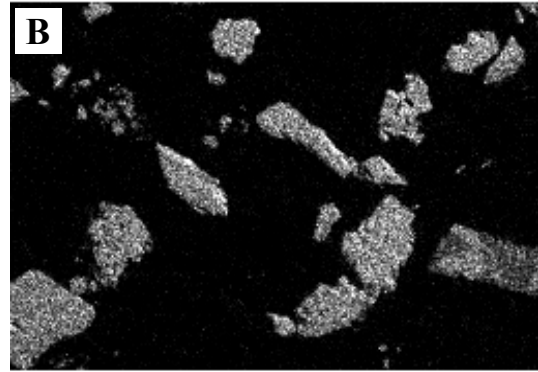
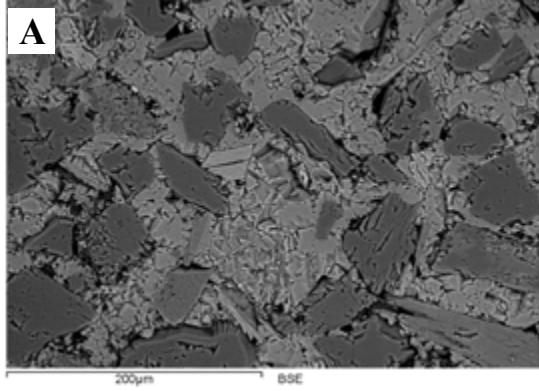


B
317-U1352C-9R-1W, 0 cm 500 μ m

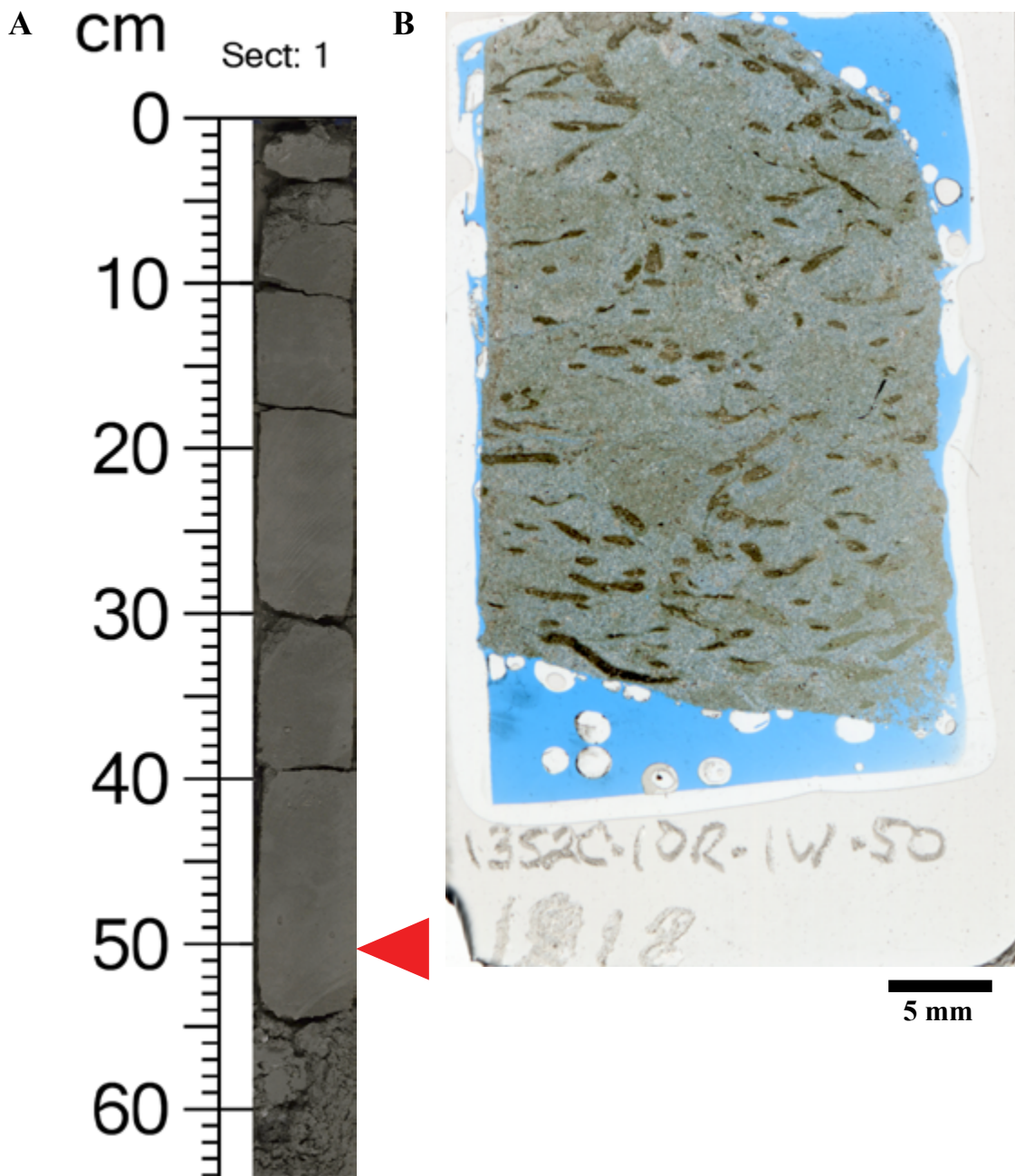


C
317-U1352C-9R-1W, 0 cm 100 μ m

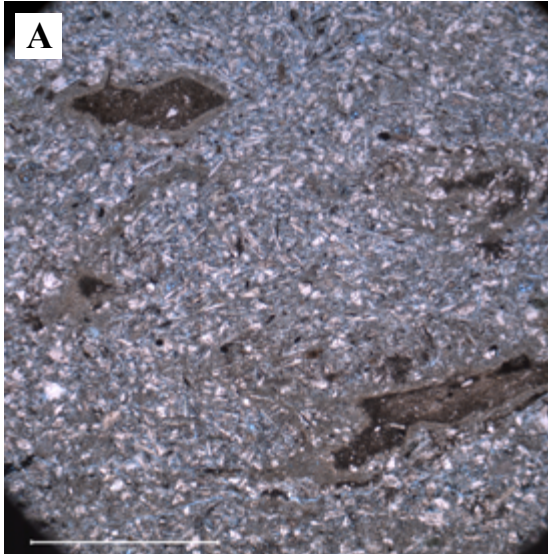
Appendix Figure 50.



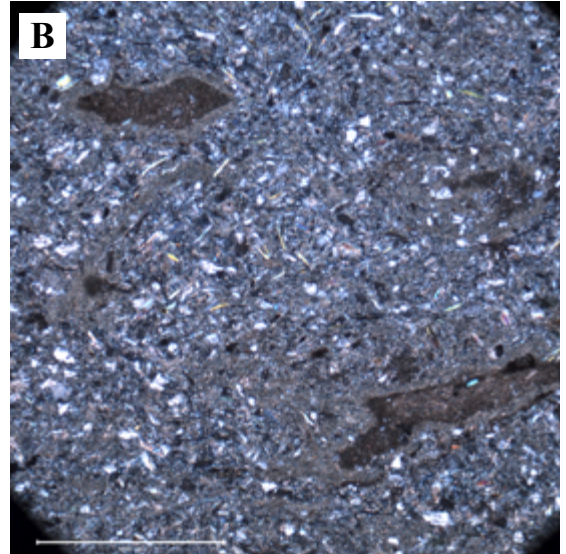
Appendix Figure 51.



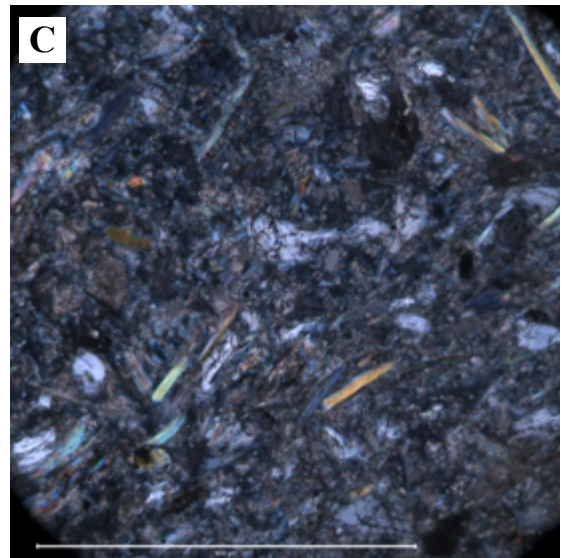
Appendix Figure 52.



317-U1352C-10R-1W, 50 cm 500 μ m

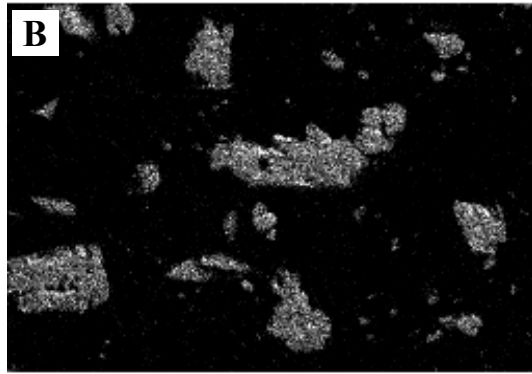
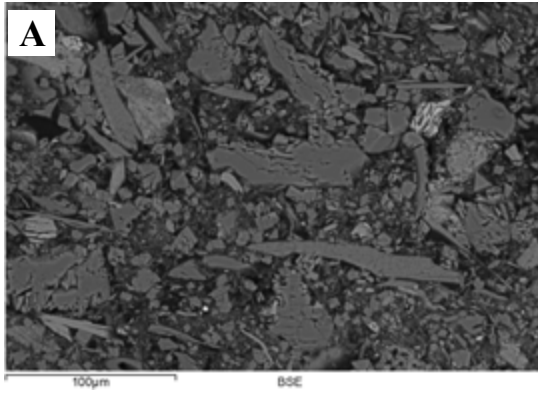


317-U1352C-10R-1W, 50 cm 500 μ m

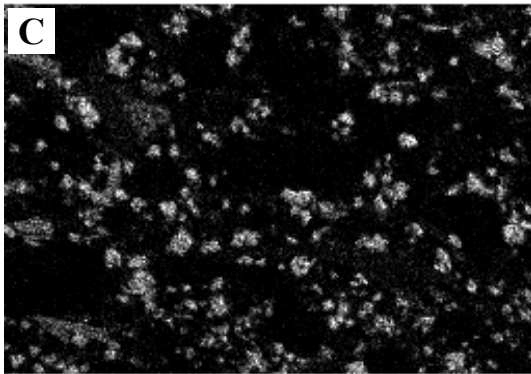


317-U1352C-10R-1W, 50 cm 100 μ m

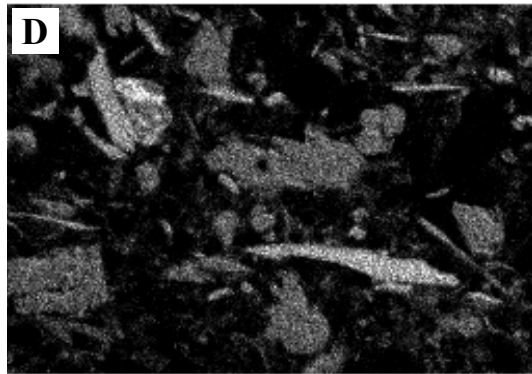
Appendix Figure 53.



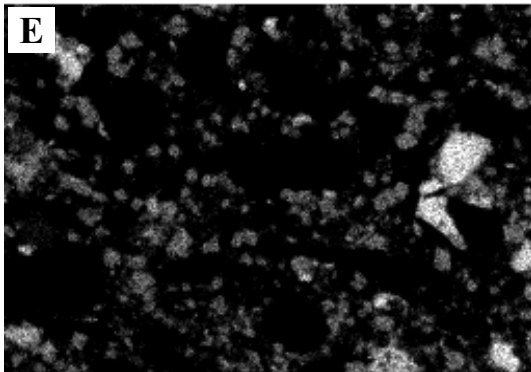
Na Ka1_2



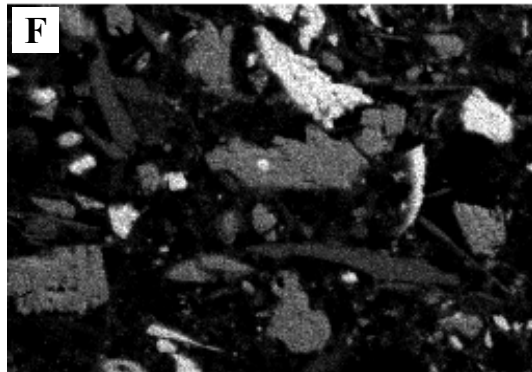
Mg Ka1_2



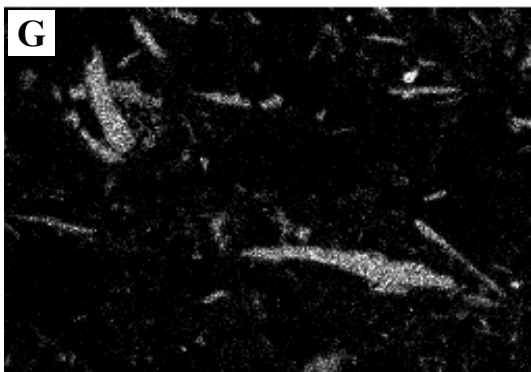
Al Ka1



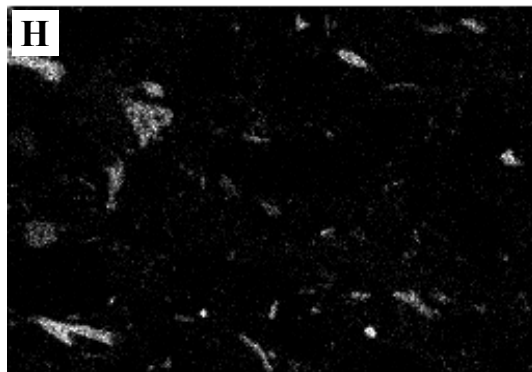
Ca Ka1



Si Ka1

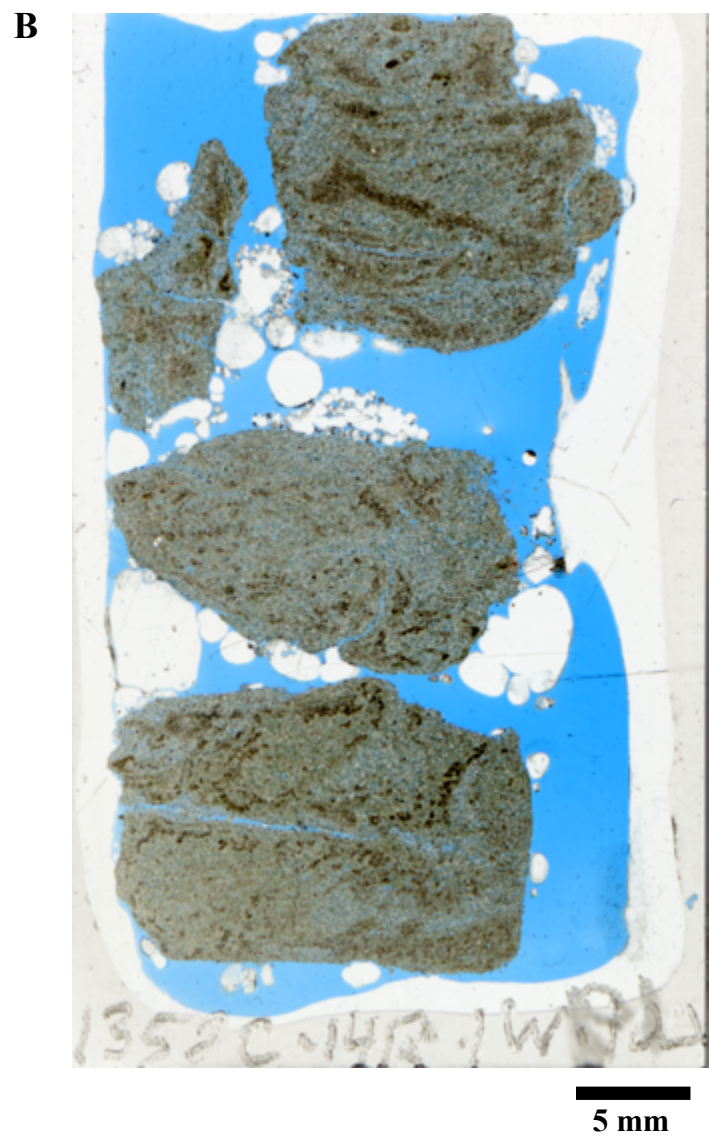
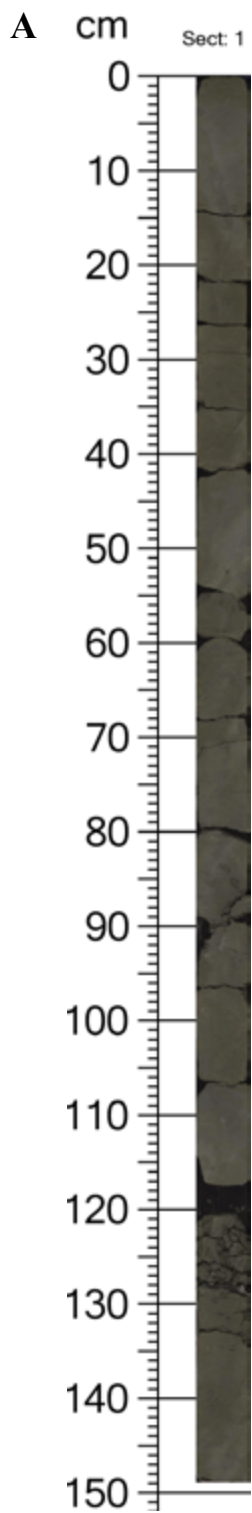


K Ka1

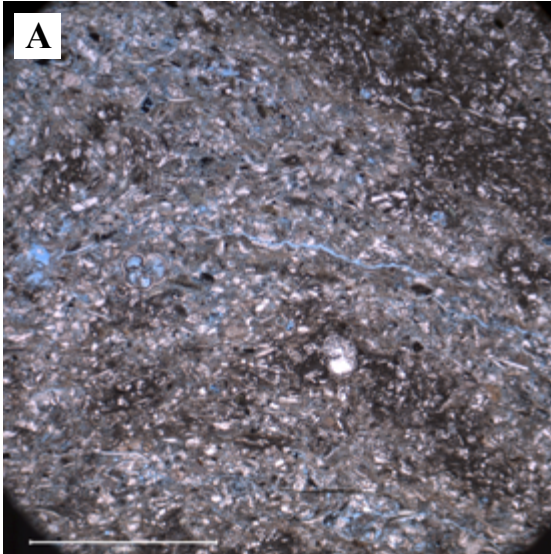


Fe Ka1

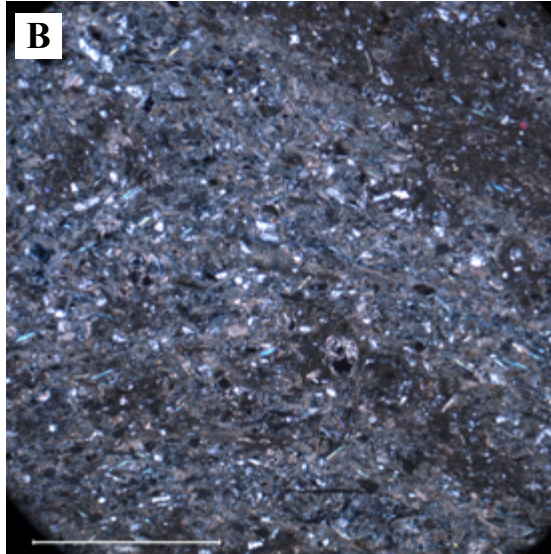
Appendix Figure 54.



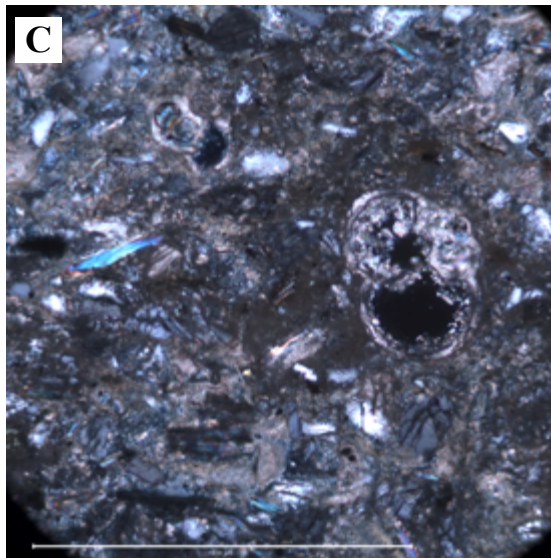
Appendix Figure 55.



317-U1352C-14R-1W, 100 cm 500 μ m

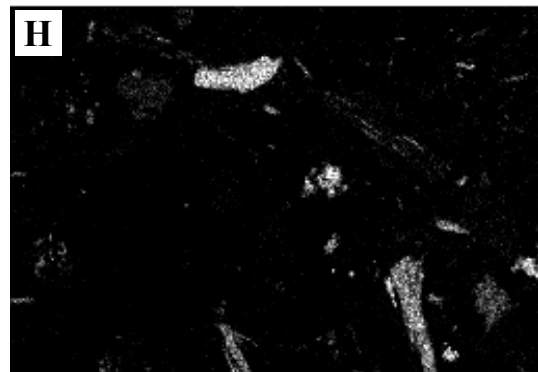
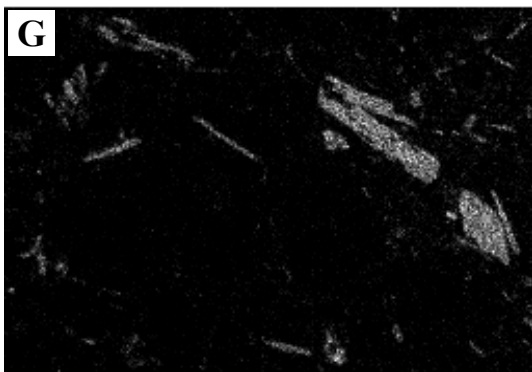
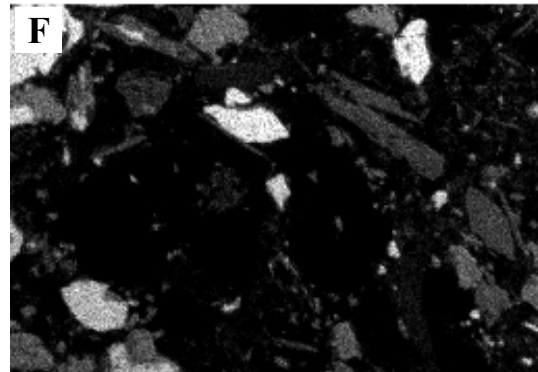
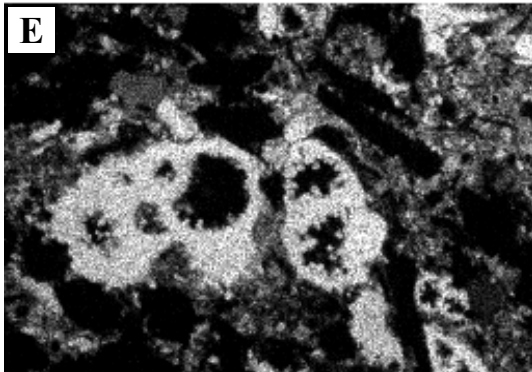
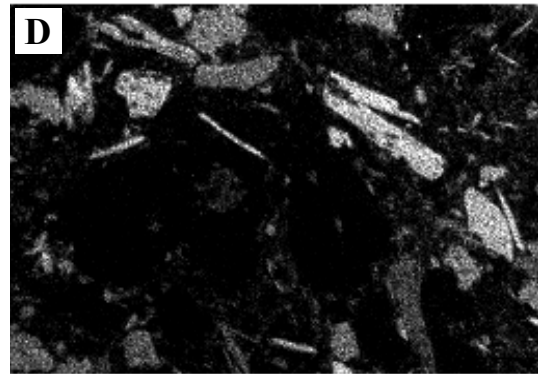
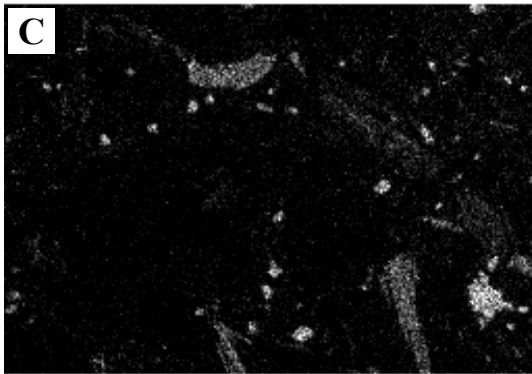
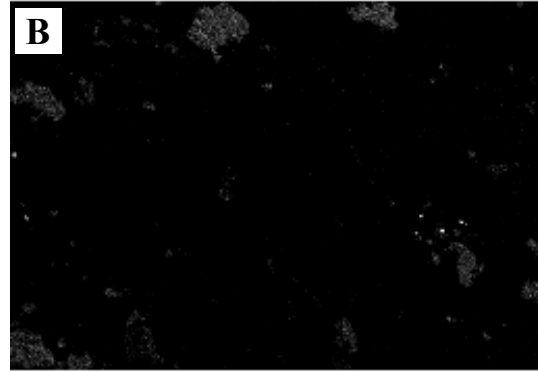
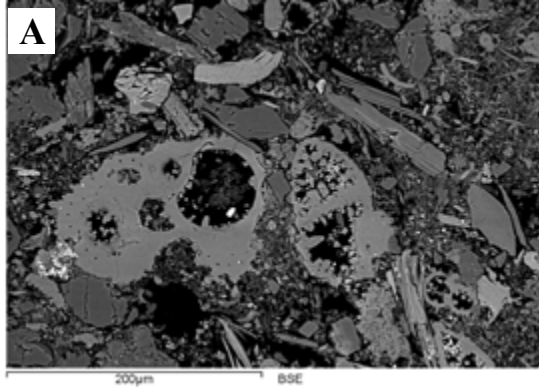


317-U1352C-14R-1W, 100 cm 500 μ m

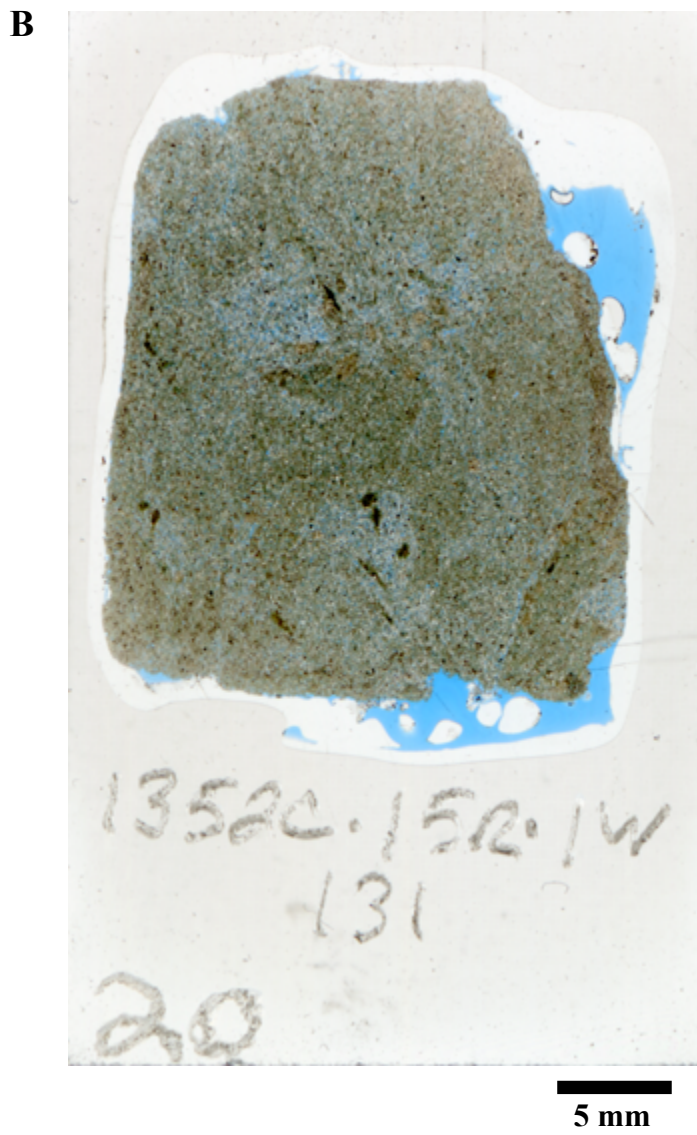
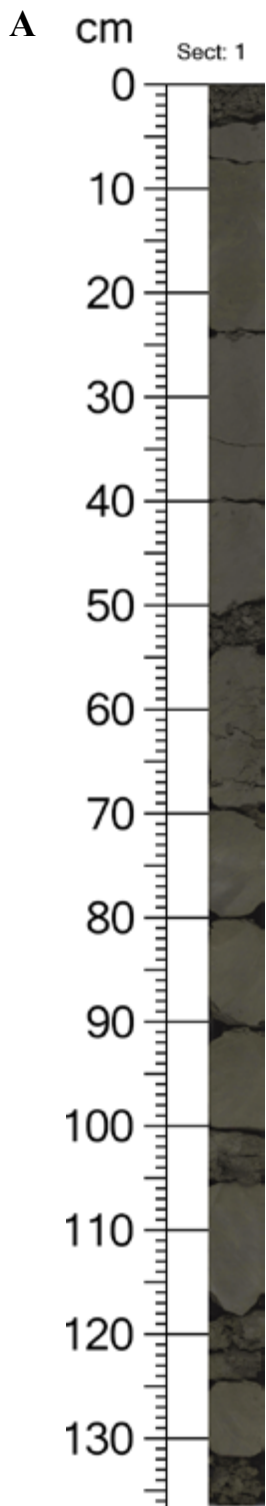


317-U1352C-14R-1W, 100 cm 100 μ m

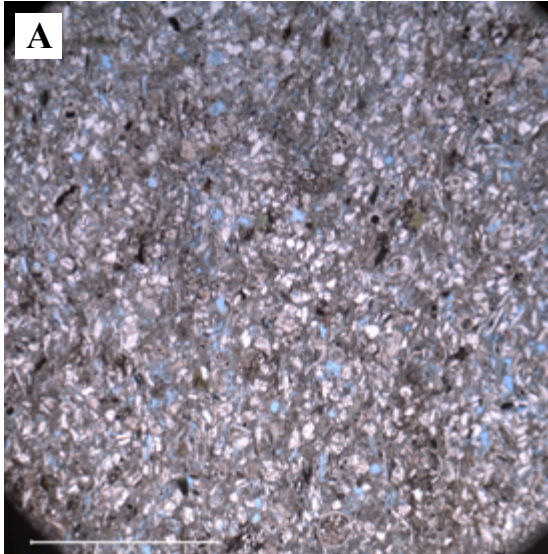
Appendix Figure 56.



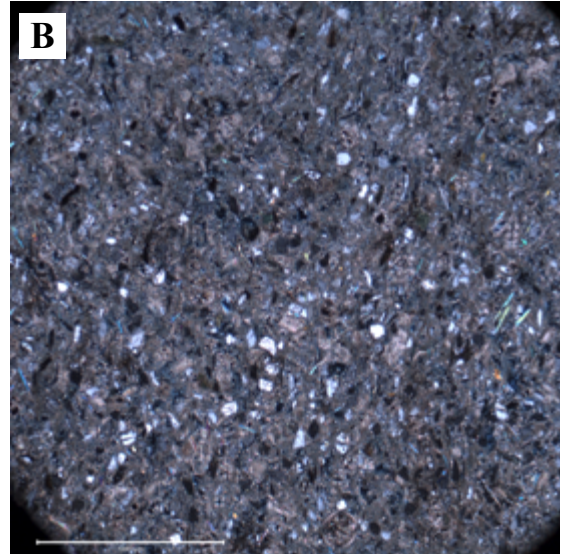
Appendix Figure 57.



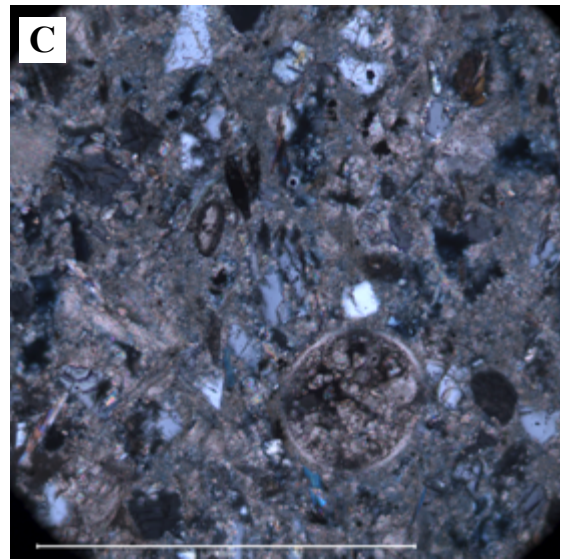
Appendix Figure 58.



A
317-U1352C-15R-1W, 131 cm 500 μm

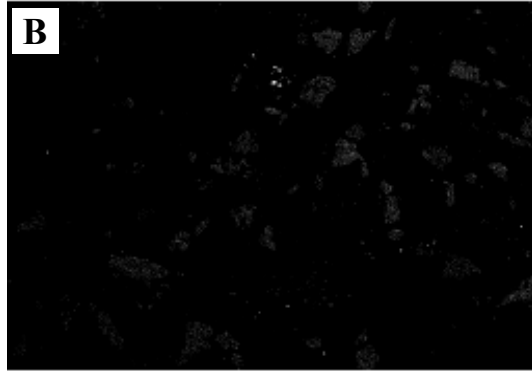
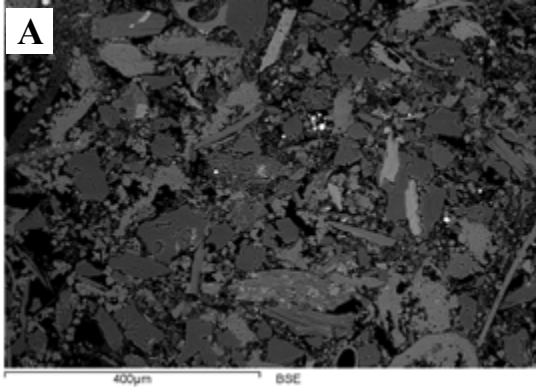


B
317-U1352C-15R-1W, 131 cm 500 μm

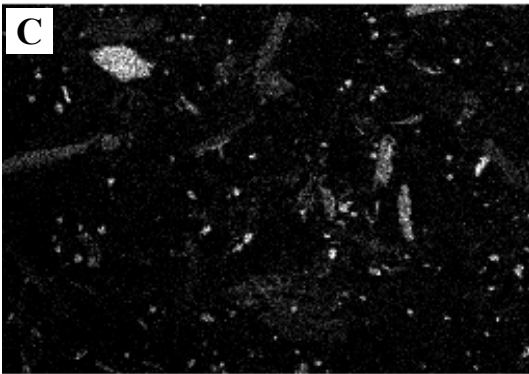


C
317-U1352C-15R-1W, 131 cm 100 μm

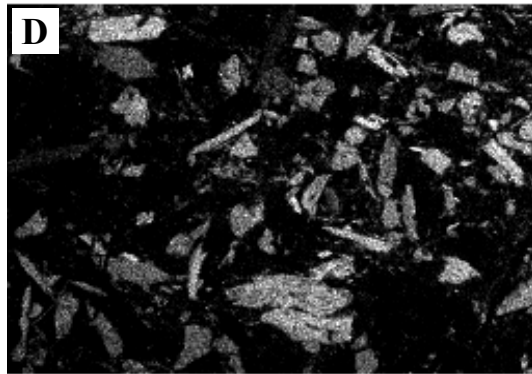
Appendix Figure 59.



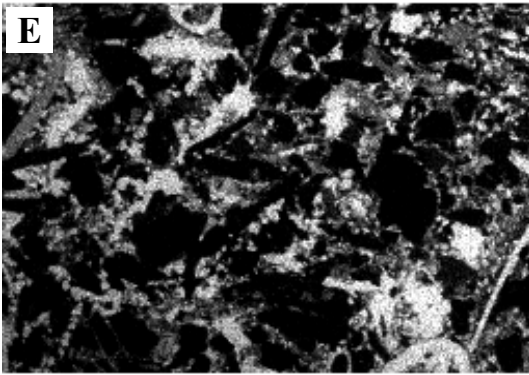
Na Ka1_2



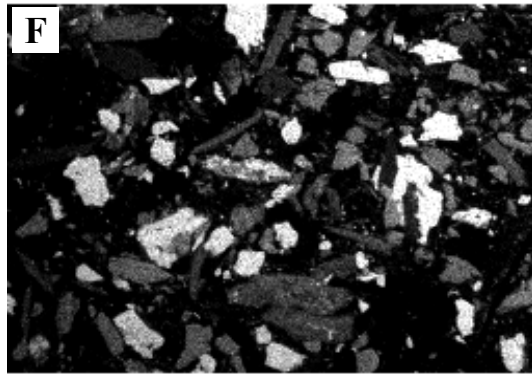
Mg Ka1_2



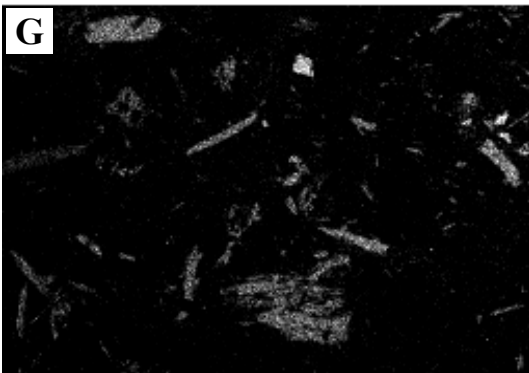
Al Ka1



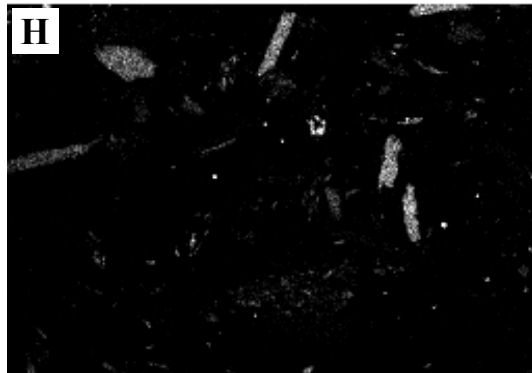
Ca Ka1



Si Ka1

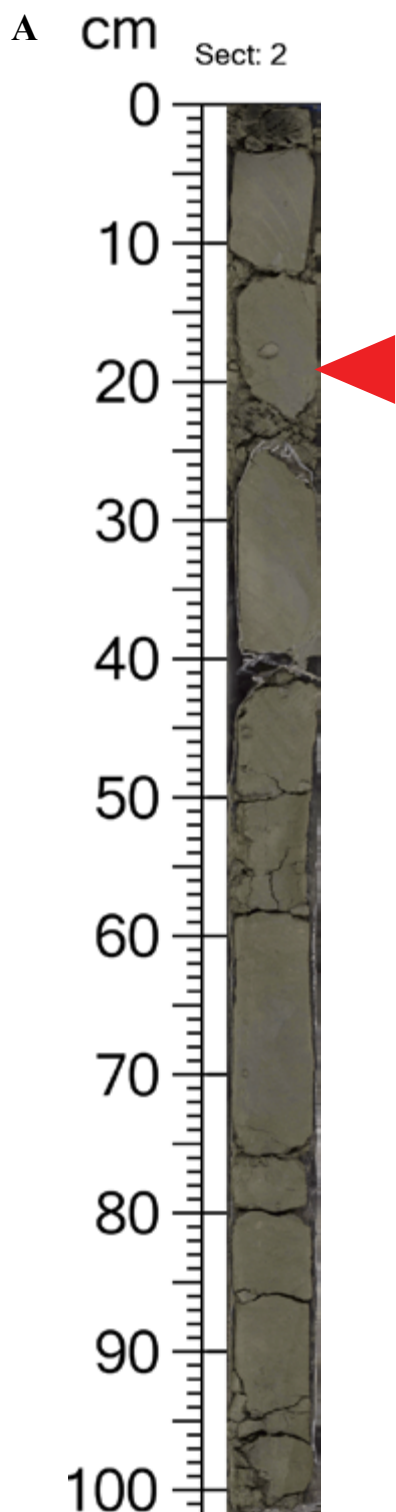


K Ka1

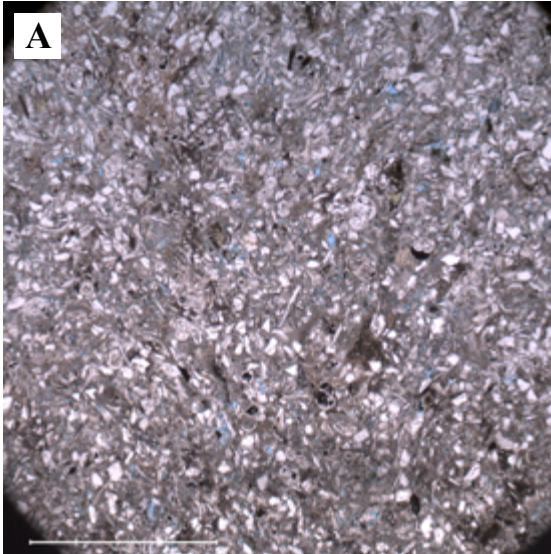


Fe Ka1

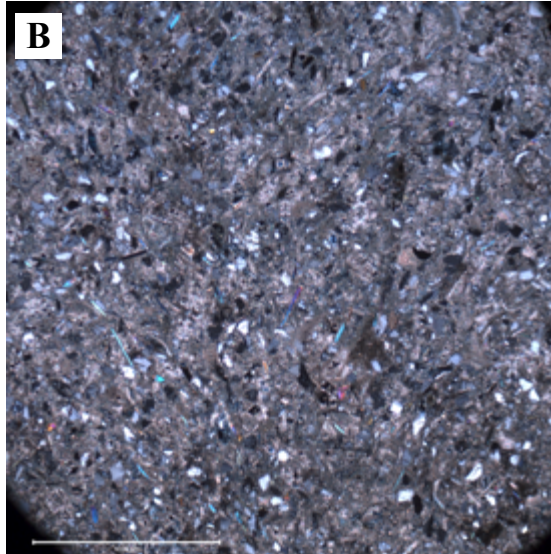
Appendix Figure 60.



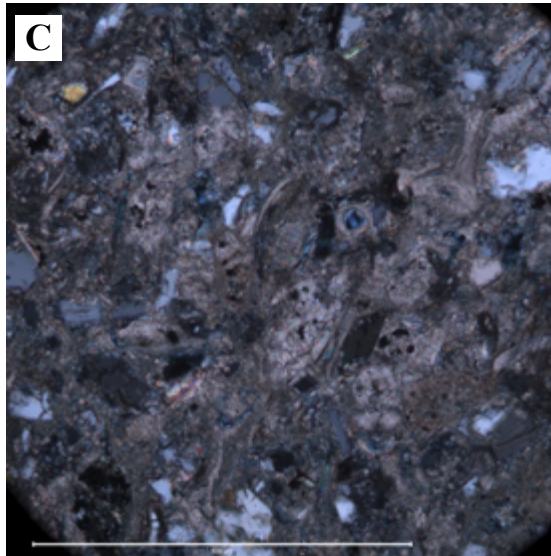
Appendix Figure 61.



317-U1352C-18R-1W, 19 cm 500 µm

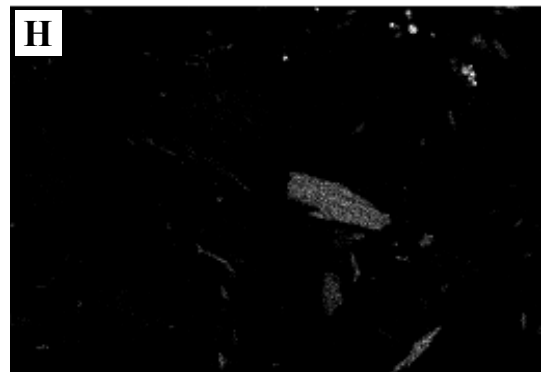
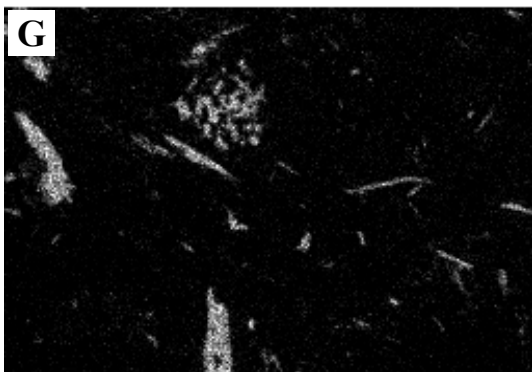
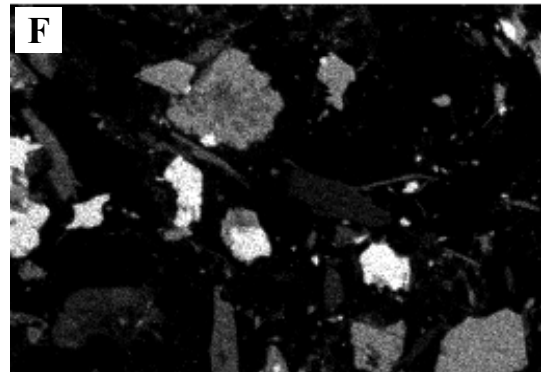
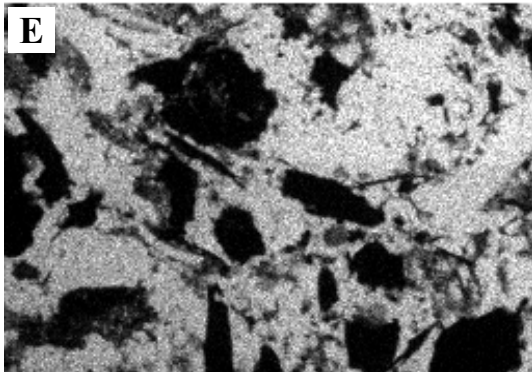
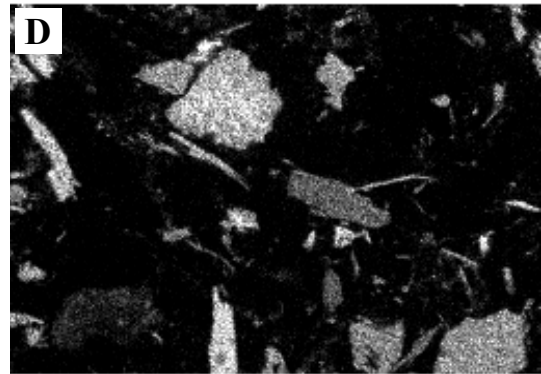
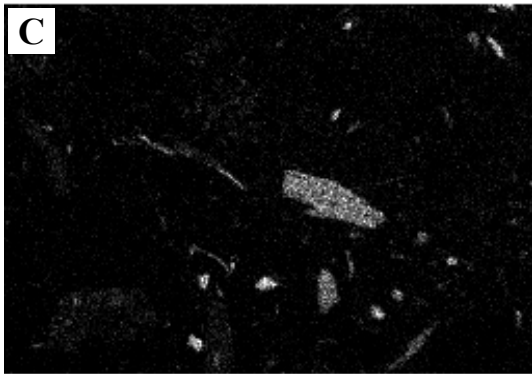
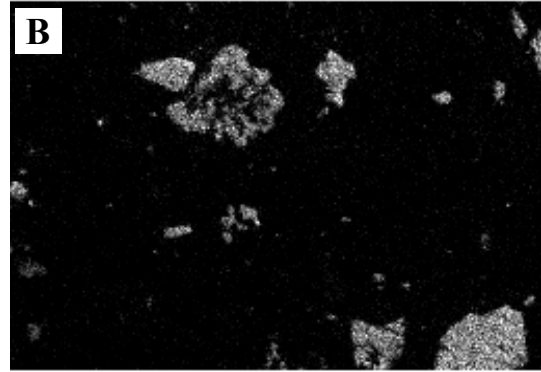
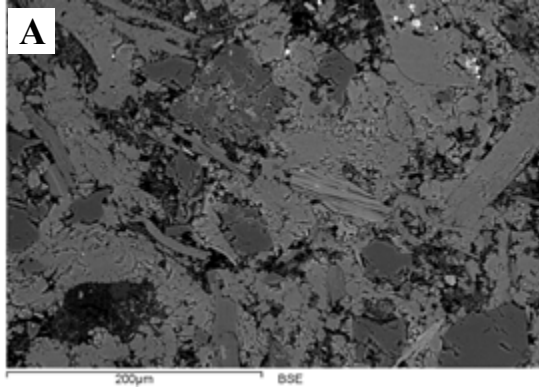


317-U1352C-18R-1W, 19 cm 500 µm

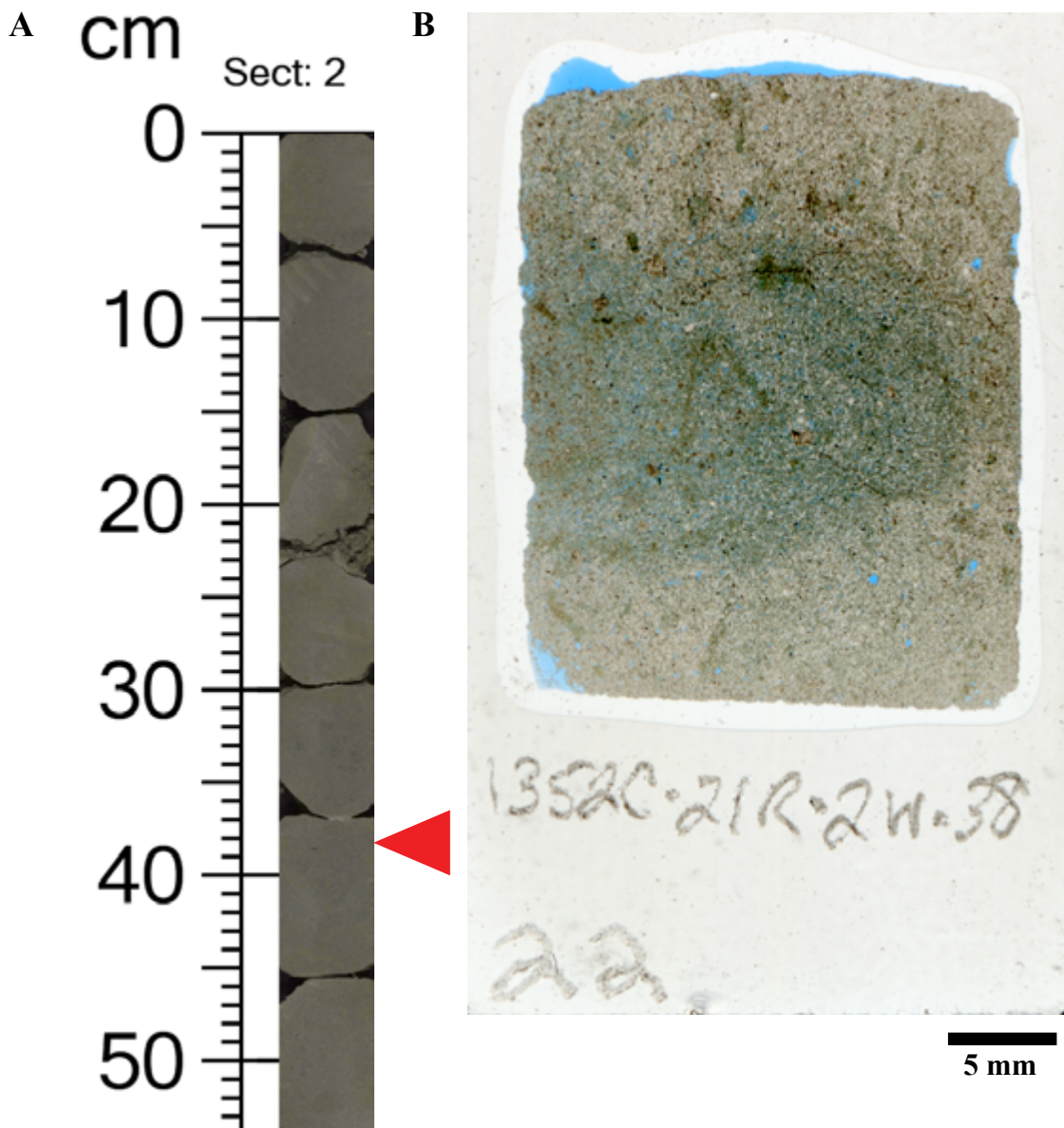


317-U1352C-18R-1W, 19 cm 100 µm

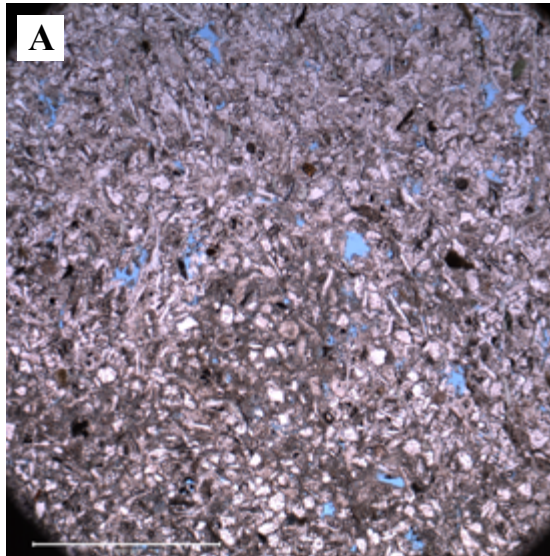
Appendix Figure 62.



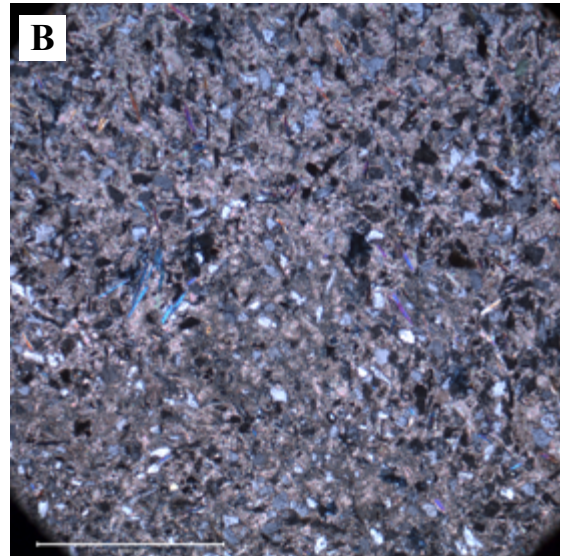
Appendix Figure 63.



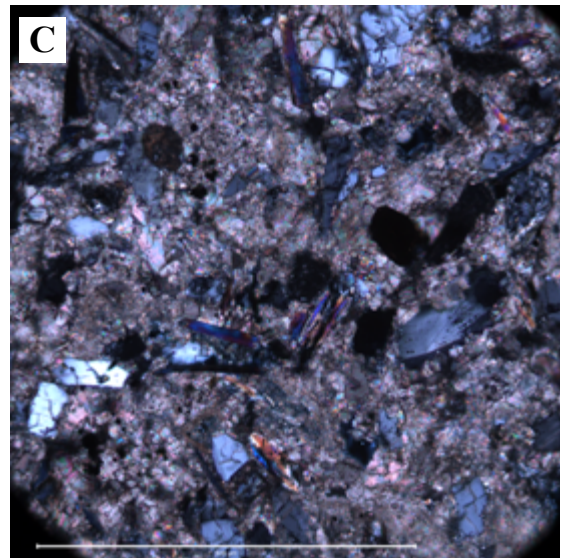
Appendix Figure 64.



317-U1352C-21R-2W, 38 cm 500 μ m

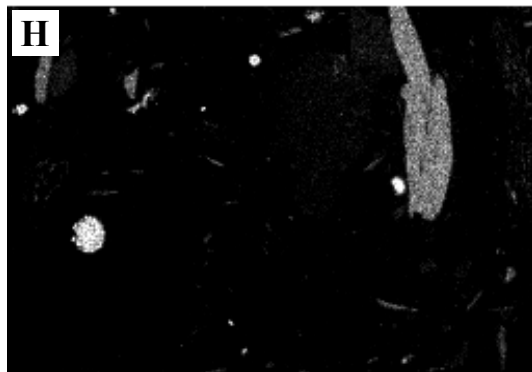
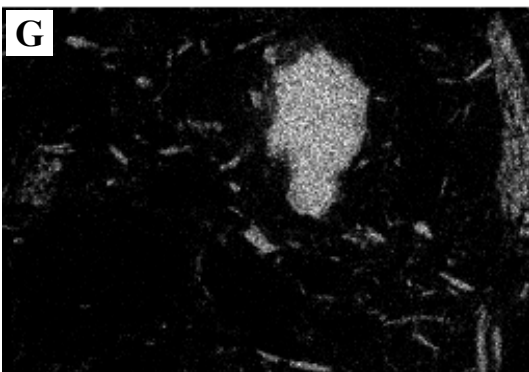
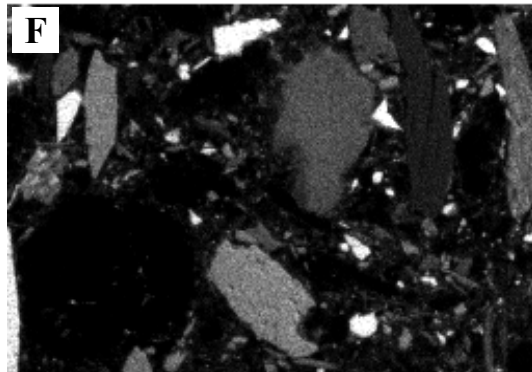
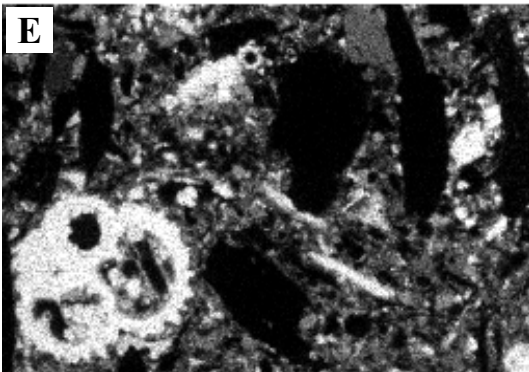
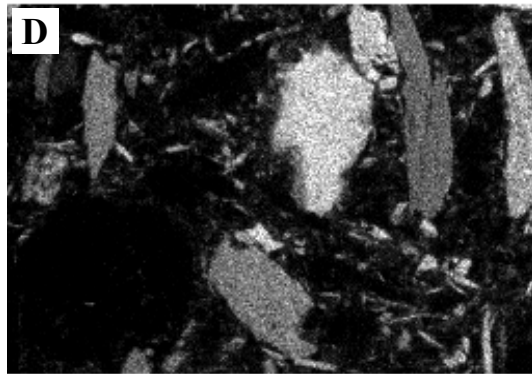
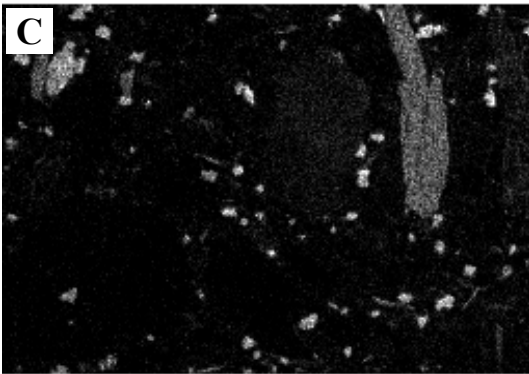
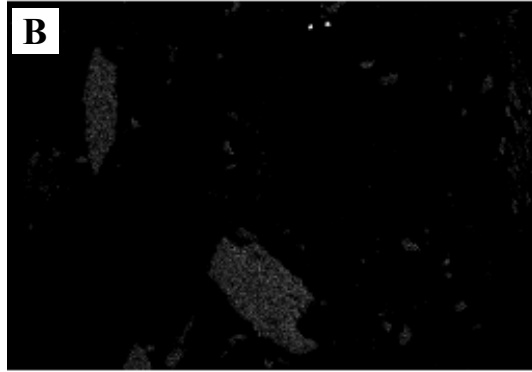
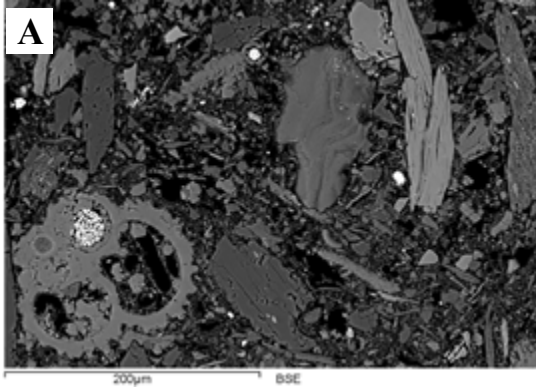


317-U1352C-21R-2W, 38 cm 500 μ m

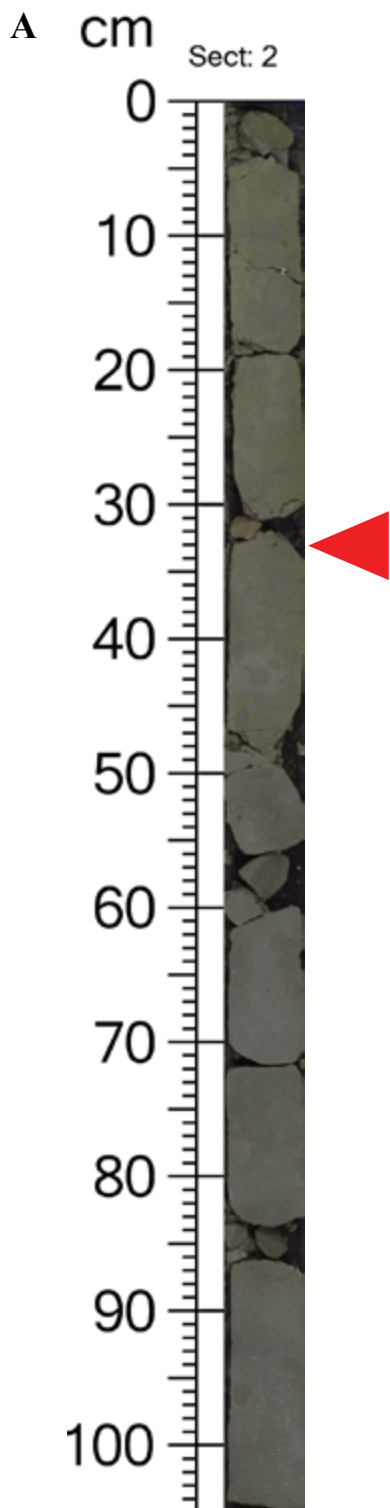


317-U1352C-21R-2W, 38 cm 100 μ m

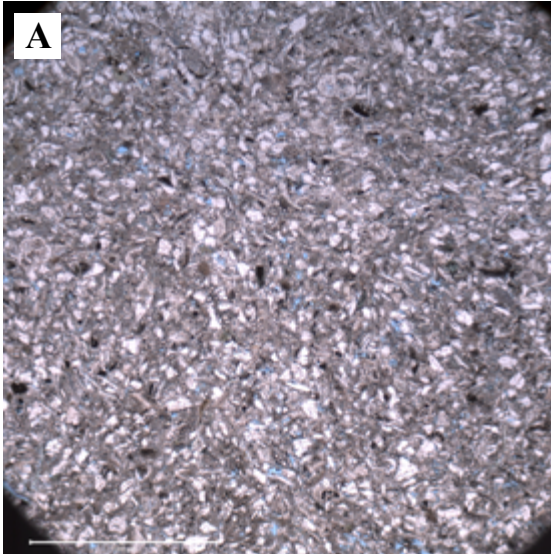
Appendix Figure 65.



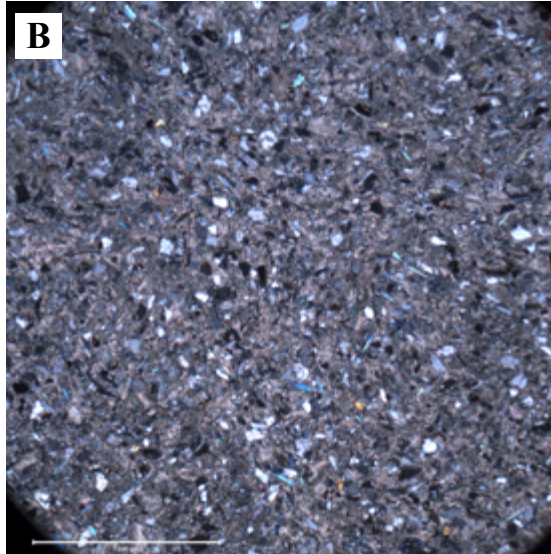
Appendix Figure 66.



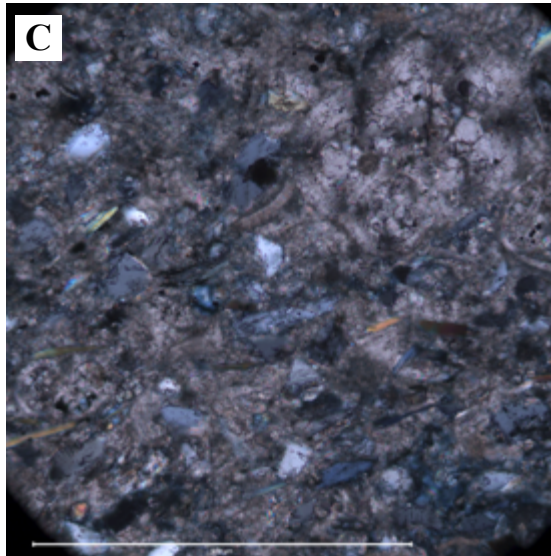
Appendix Figure 67.



A
317-U1352C-22R-2W, 33 cm 500 μ m

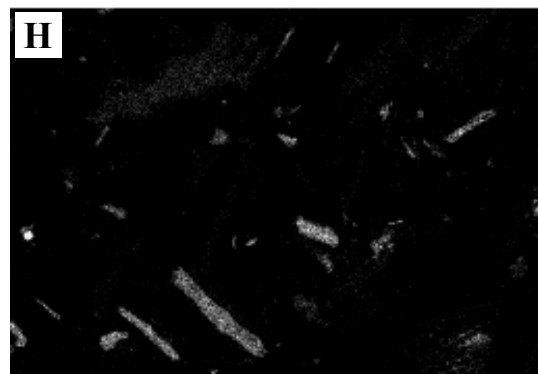
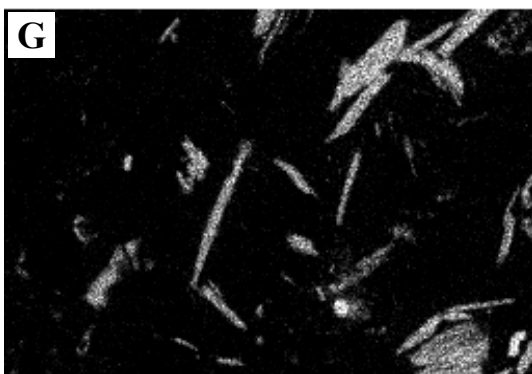
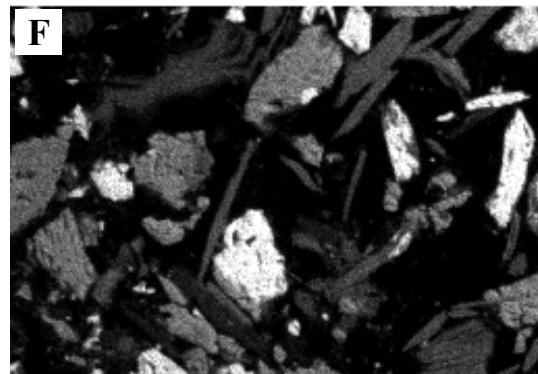
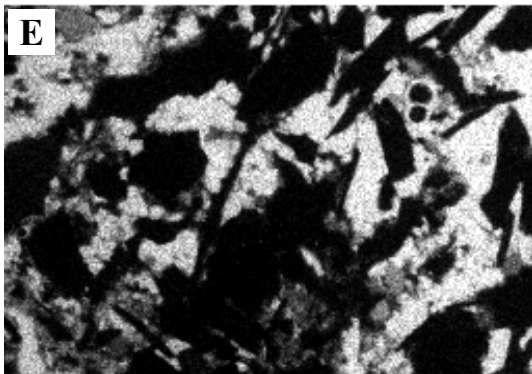
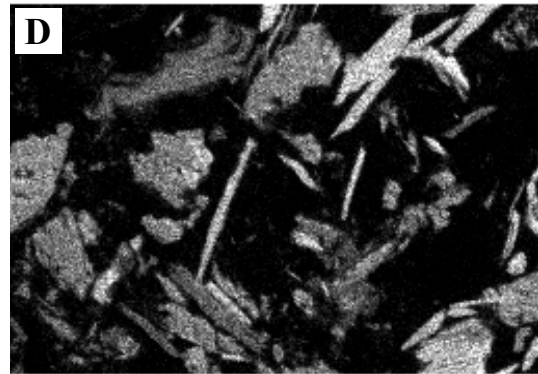
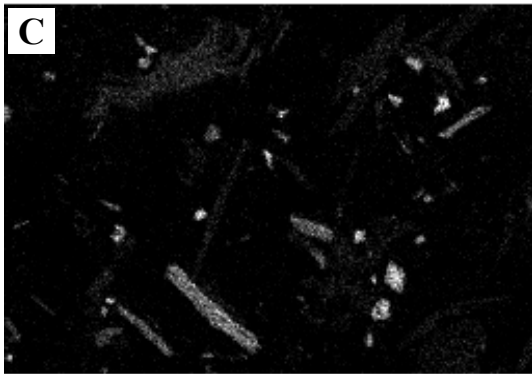
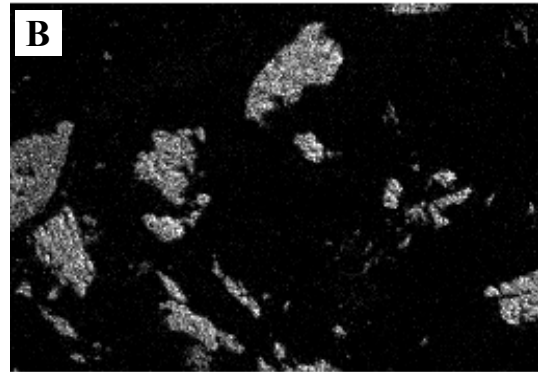
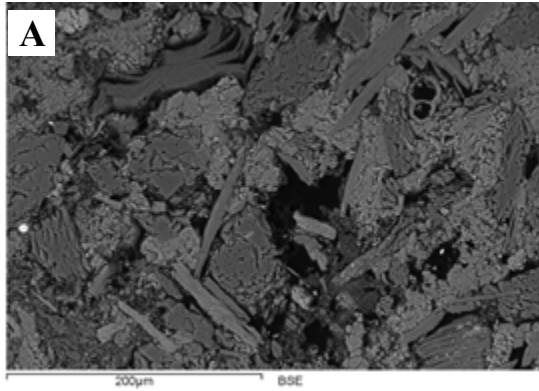


B
317-U1352C-22R-2W, 33 cm 500 μ m

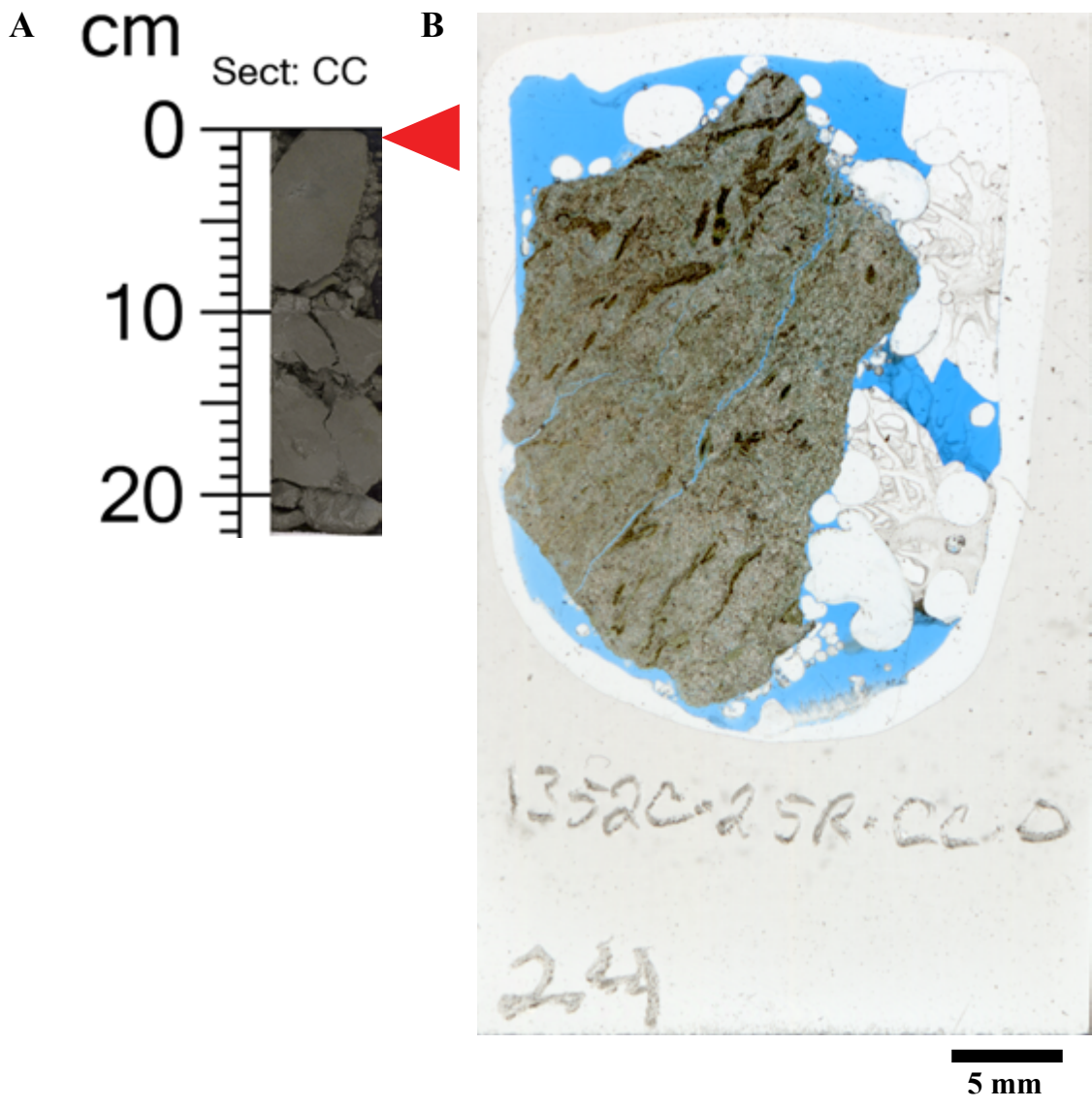


C
317-U1352C-22R-2W, 33 cm 100 μ m

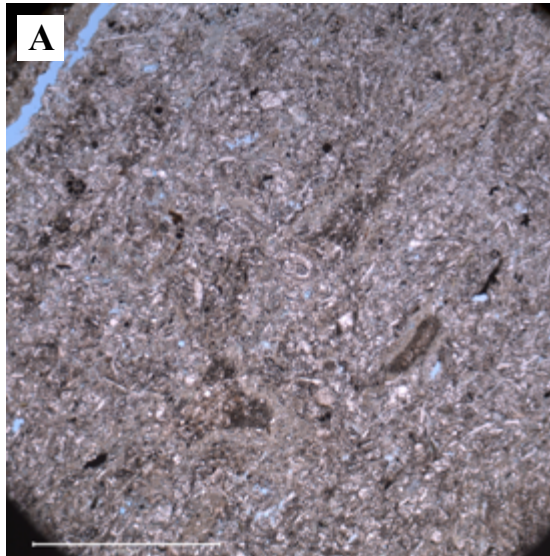
Appendix Figure 68.



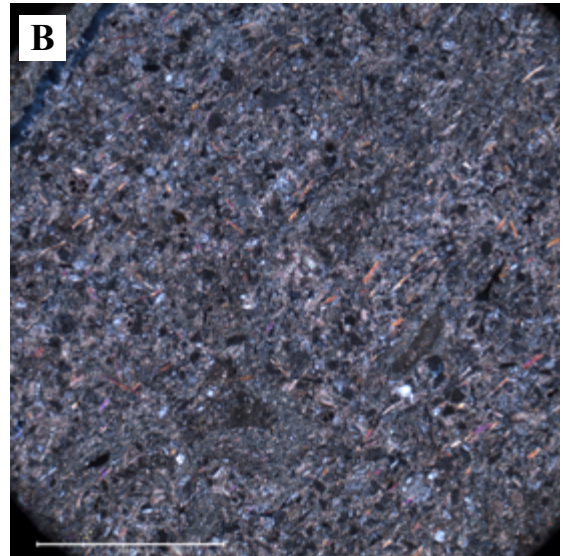
Appendix Figure 69.



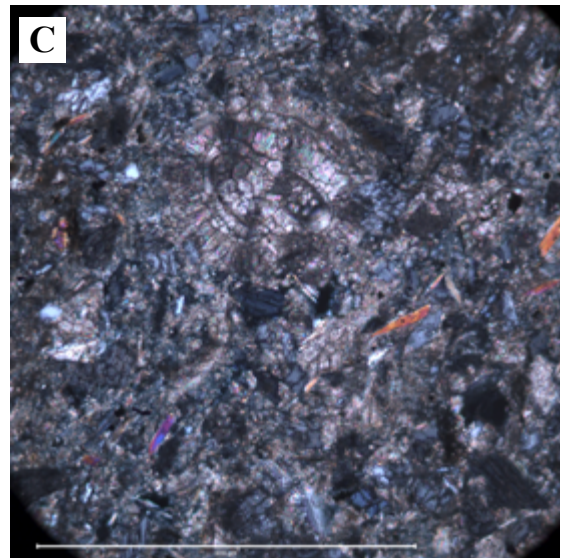
Appendix Figure 70.



317-U1352C-25R-CC, 0 cm 500 μ m

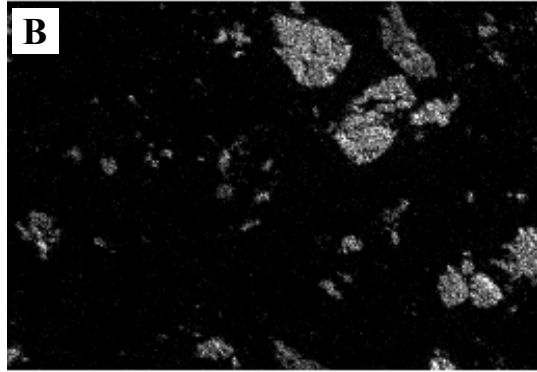
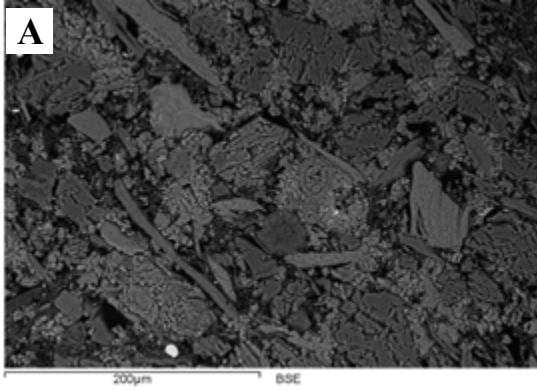


317-U1352C-25R-CC, 0 cm 500 μ m

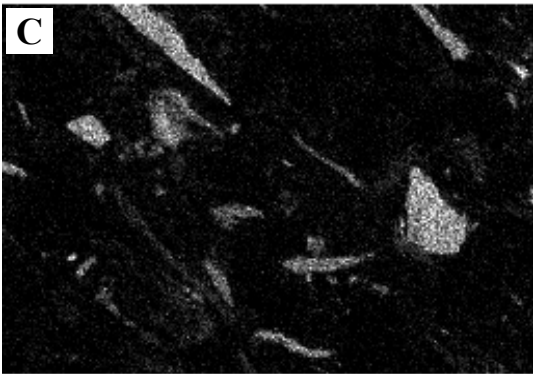


317-U1352C-25R-CC, 0 cm 100 μ m

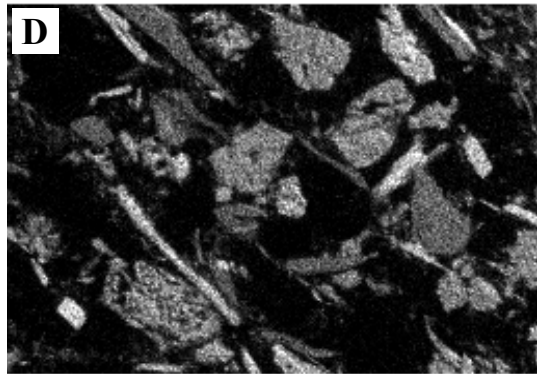
Appendix Figure 71.



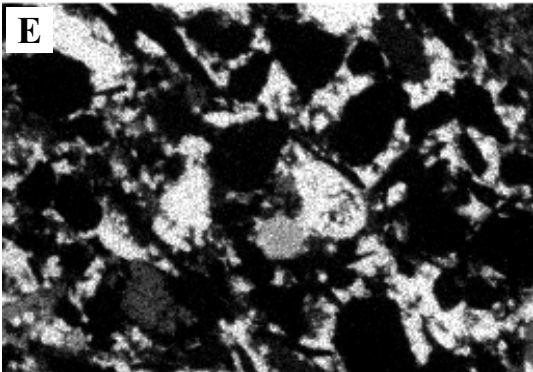
Na Ka1_2



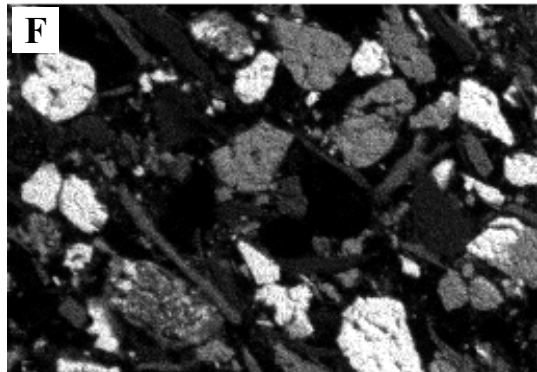
Mg Ka1_2



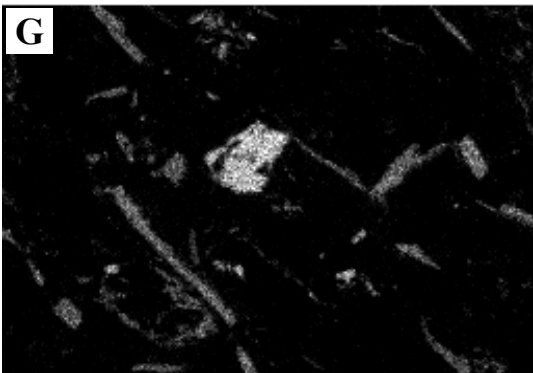
Al Ka1



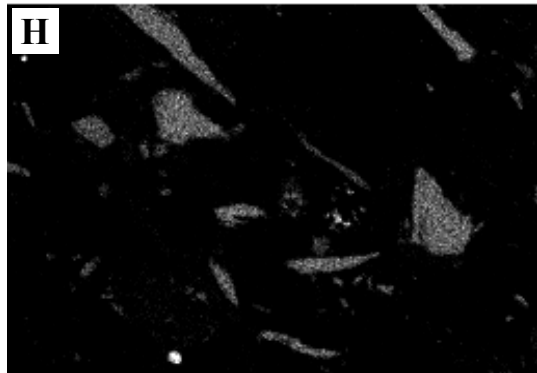
Ca Ka1



Si Ka1

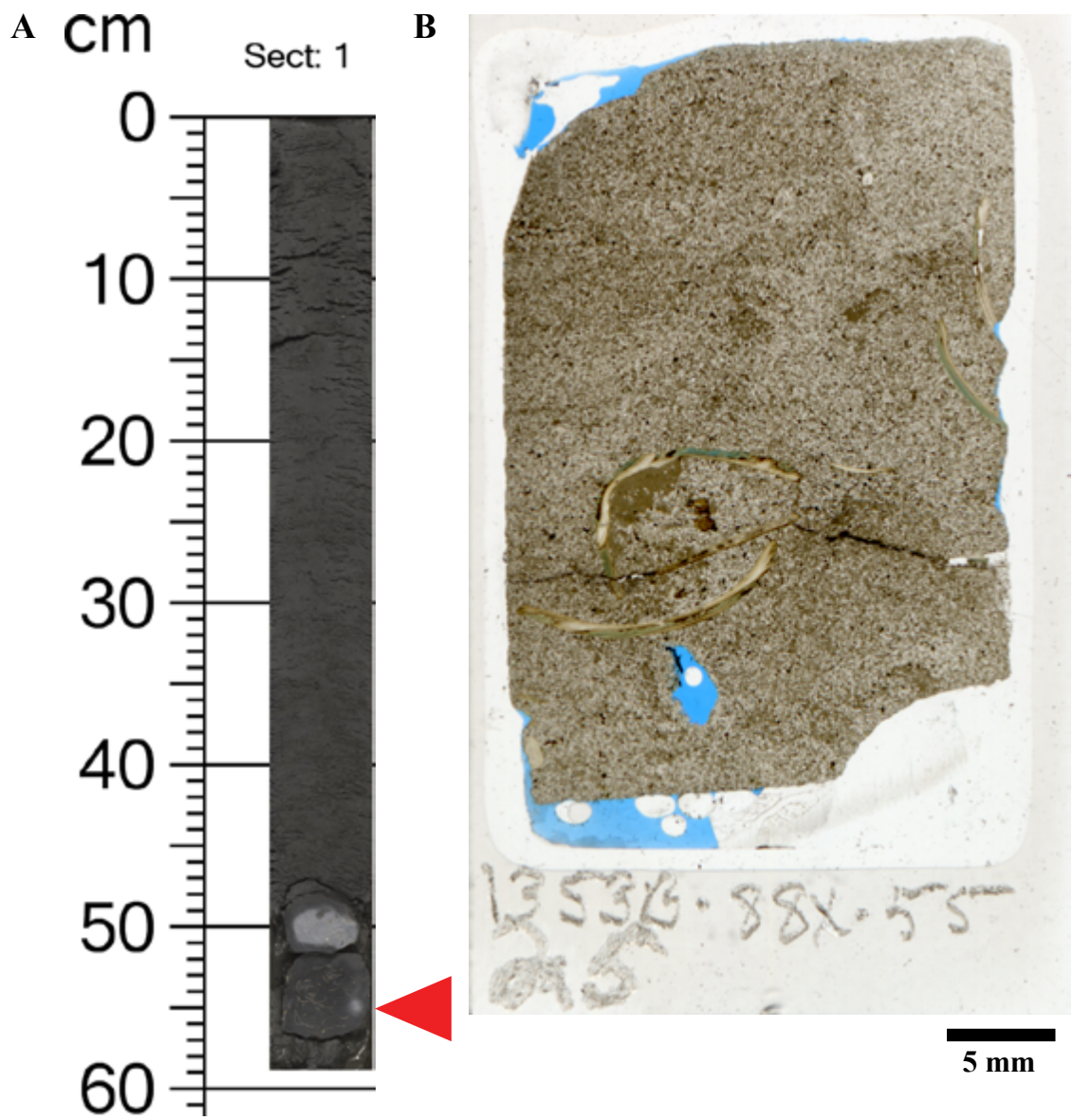


K Ka1

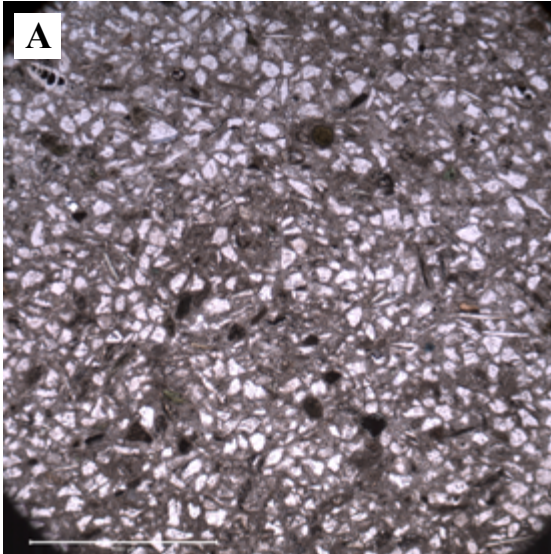


Fe Ka1

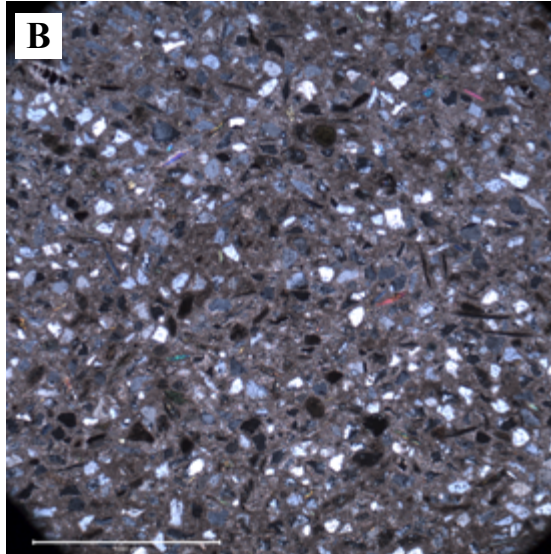
Appendix Figure 72.



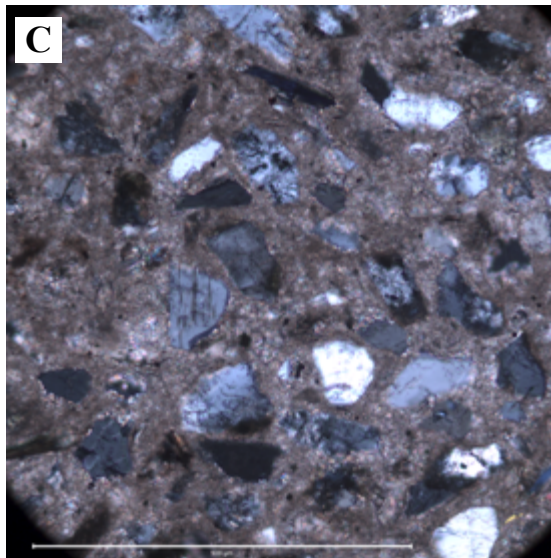
Appendix Figure 73.



A
317-U1353B-88X-1W, 55-58 cm 500 μ m

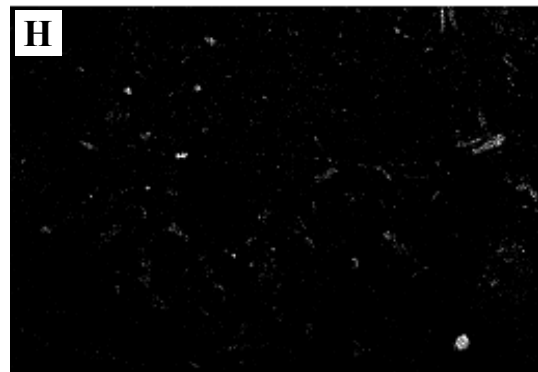
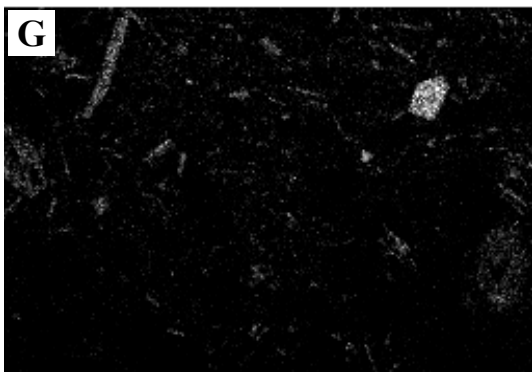
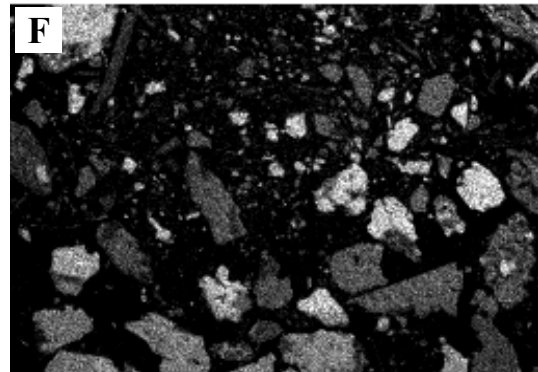
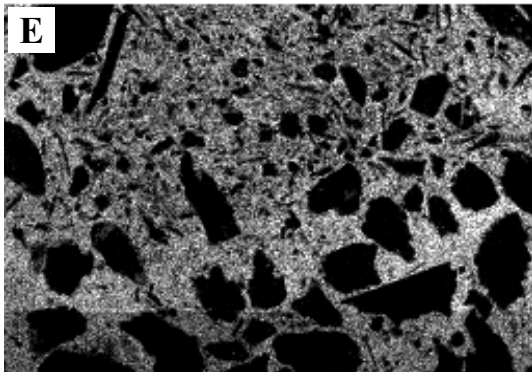
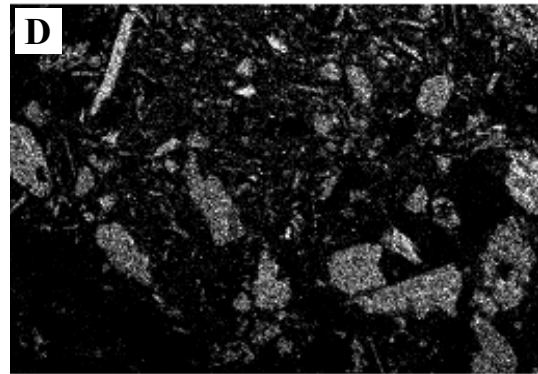
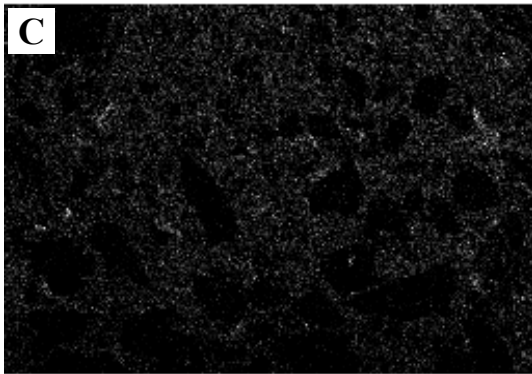
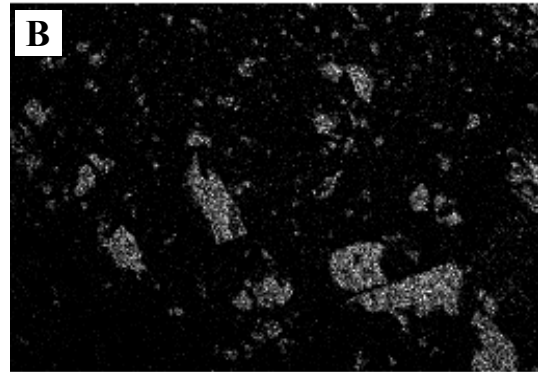
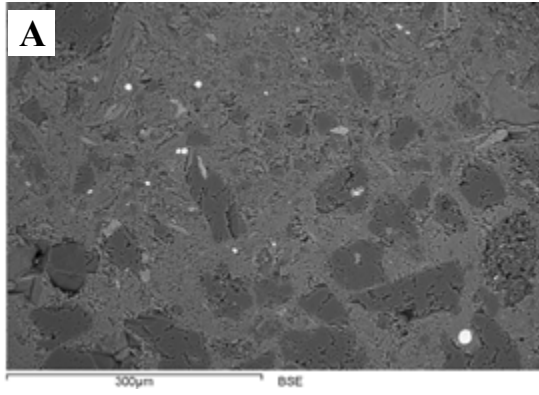


B
317-U1353B-88X-1W, 55-58 cm 500 μ m

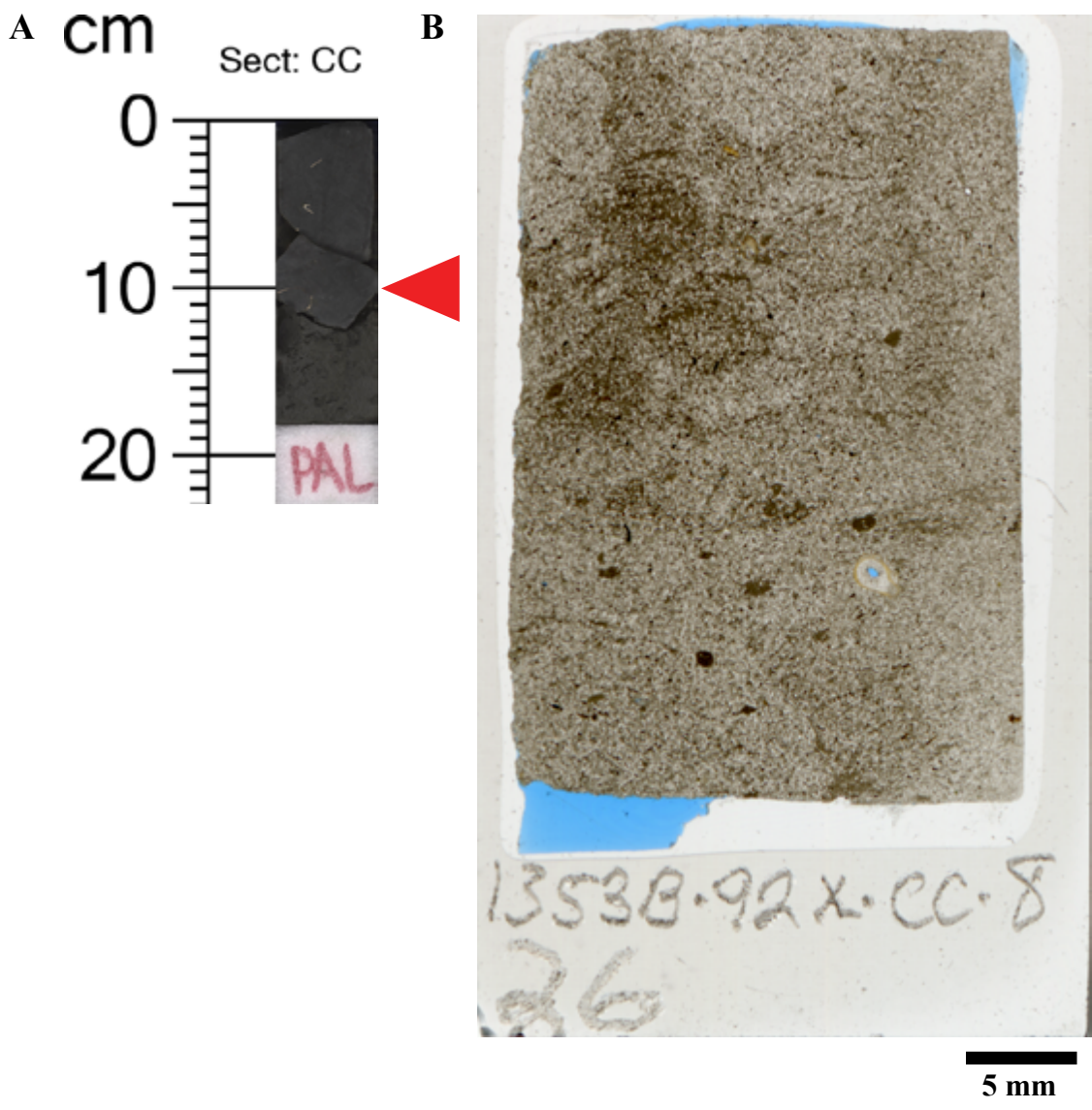


C
317-U1353B-88X-1W, 55-58 cm 100 μ m

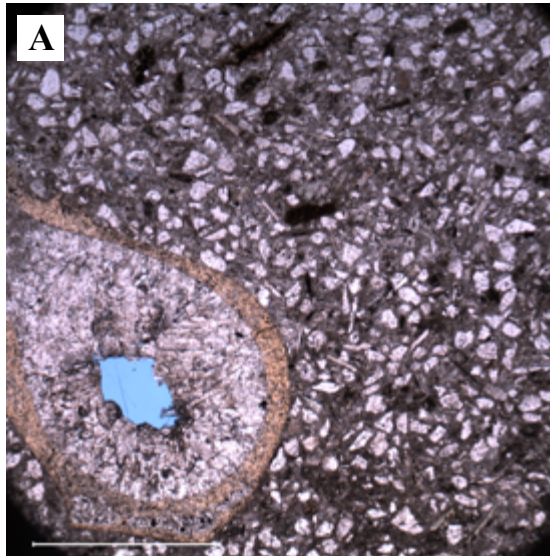
Appendix Figure 74.



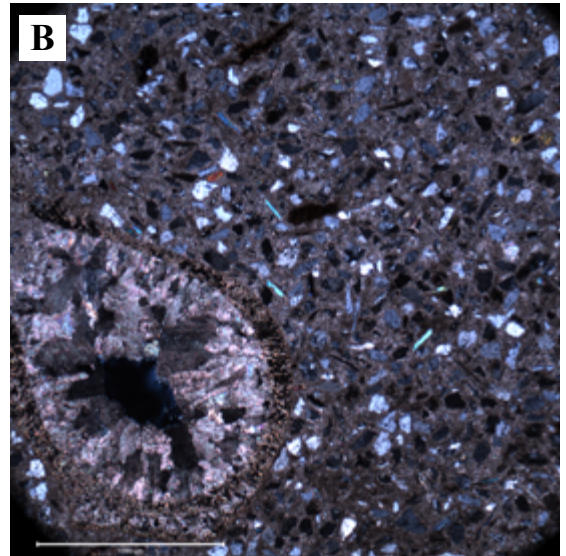
Appendix Figure 75.



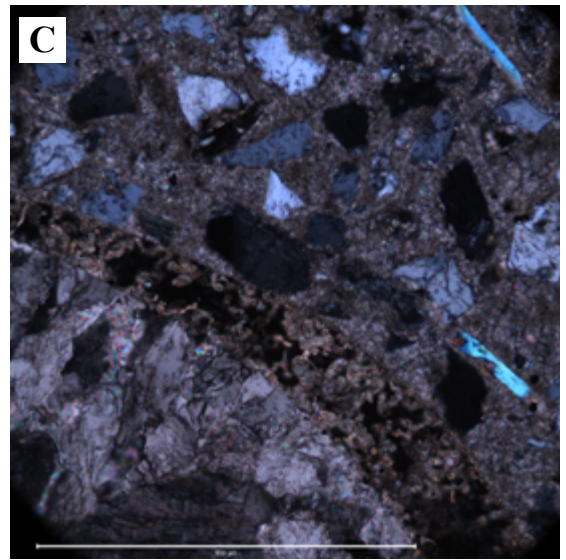
Appendix Figure 76.



317-U1353B-92X-CC, 8-12 cm 500 μ m

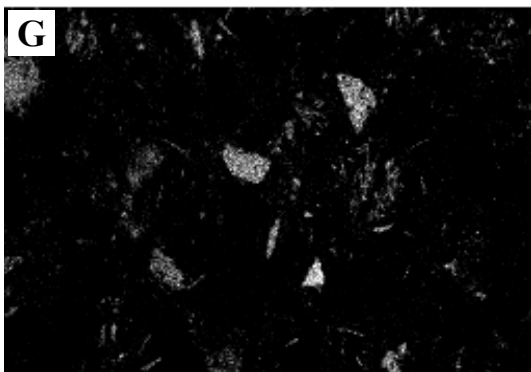
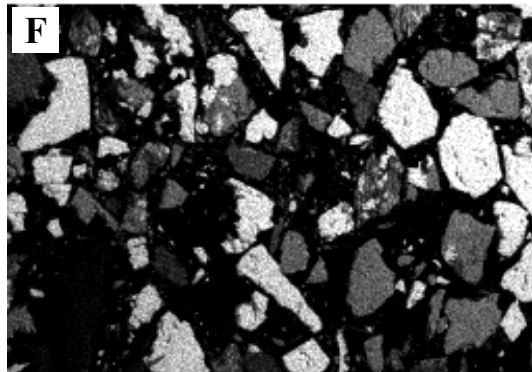
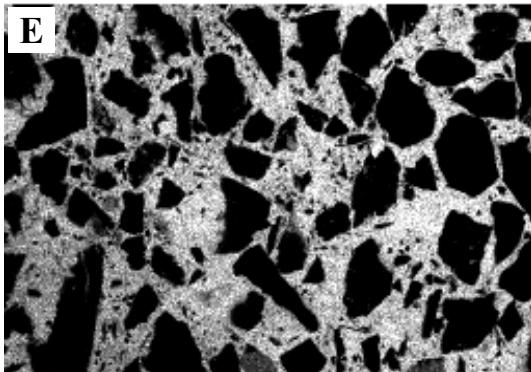
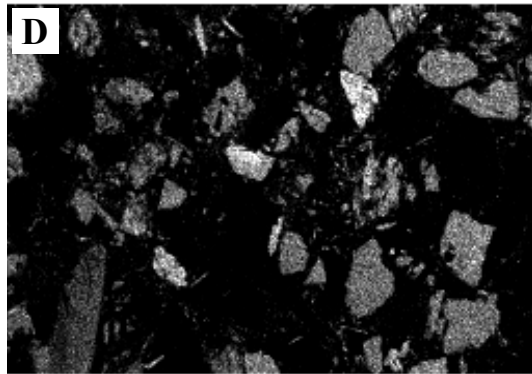
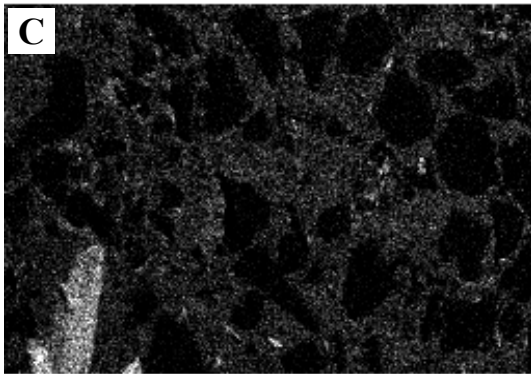
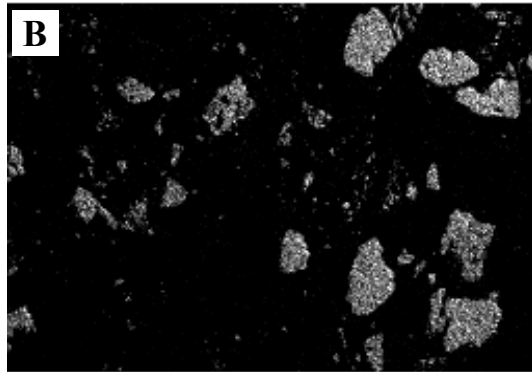
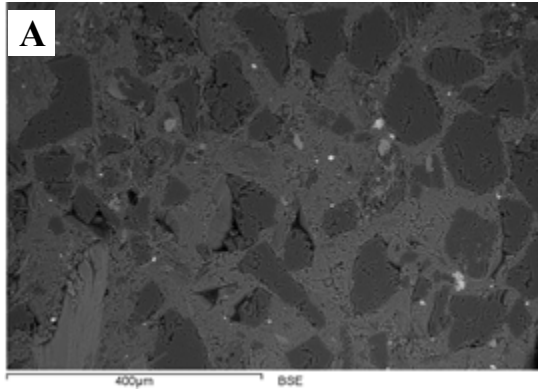


317-U1353B-92X-CC, 8-12 cm 500 μ m



317-U1353B-92X-CC, 8-12 cm 100 μ m

Appendix Figure 77.



Appendix Figure 78.

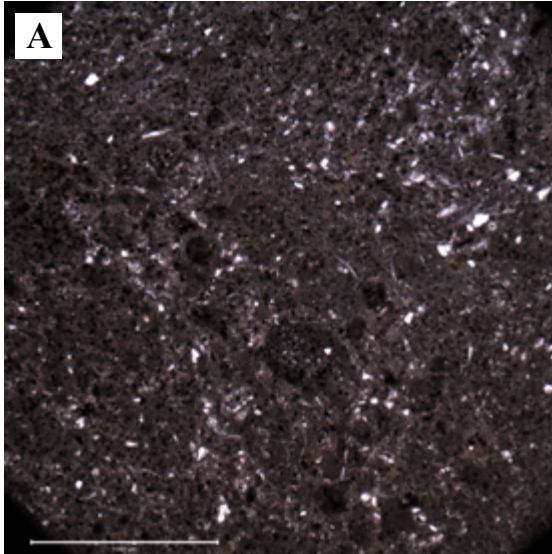
A

B

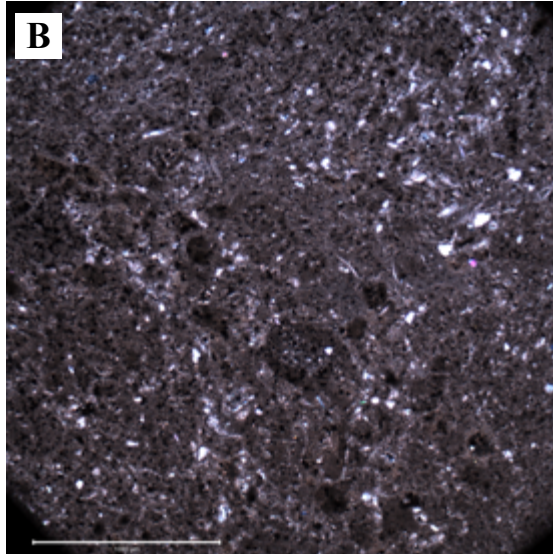


5 mm

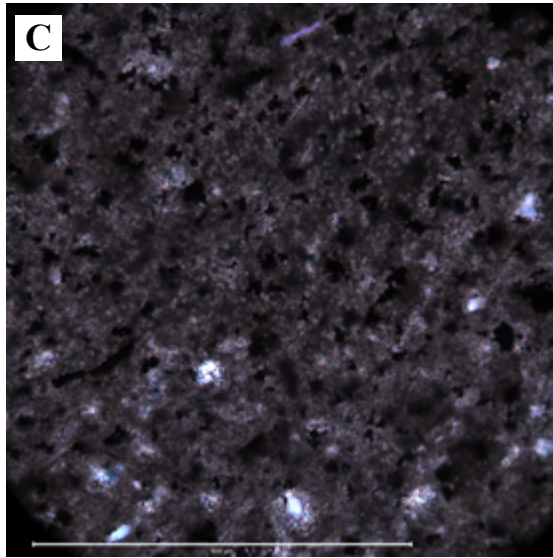
Appendix Figure 79.



A
317-U1354A-15H-CC, 0 cm 500 μ m

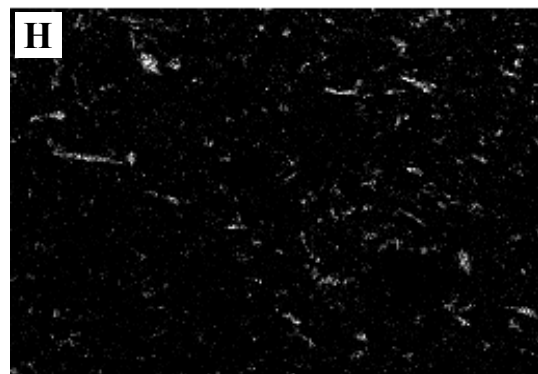
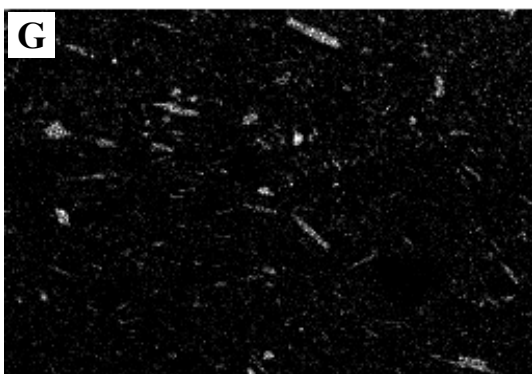
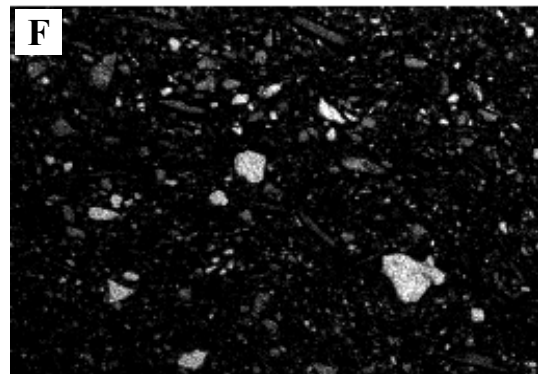
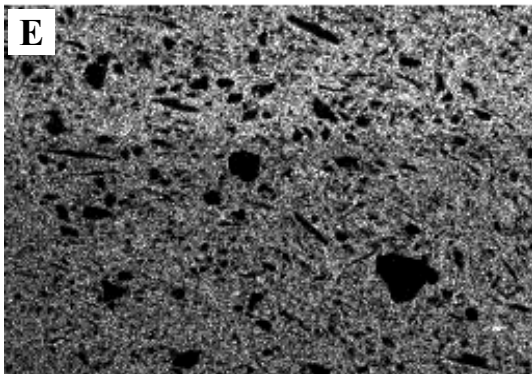
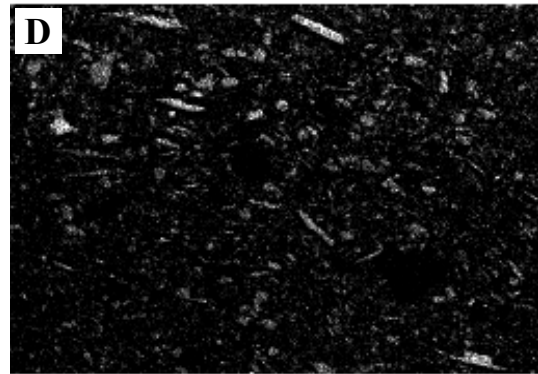
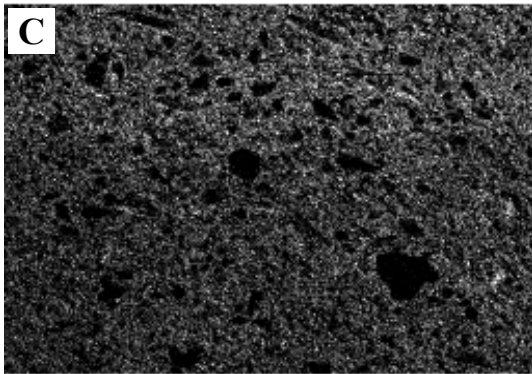
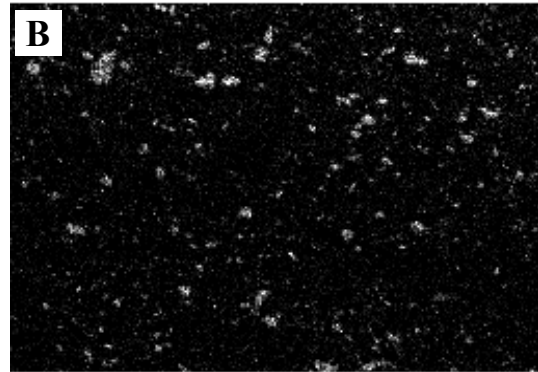
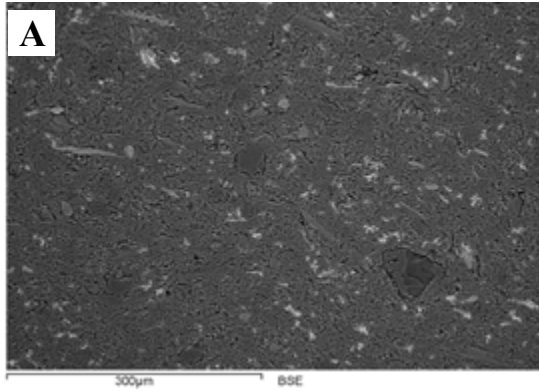


B
317-U1354A-15H-CC, 0 cm 500 μ m



C
317-U1354A-15H-CC, 0 cm 100 μ m

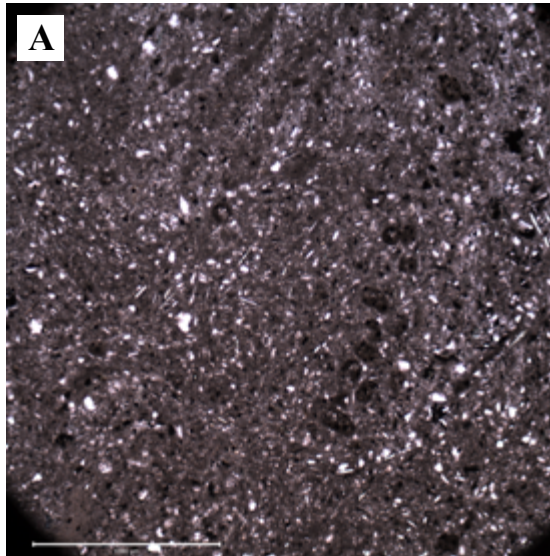
Appendix Figure 80.



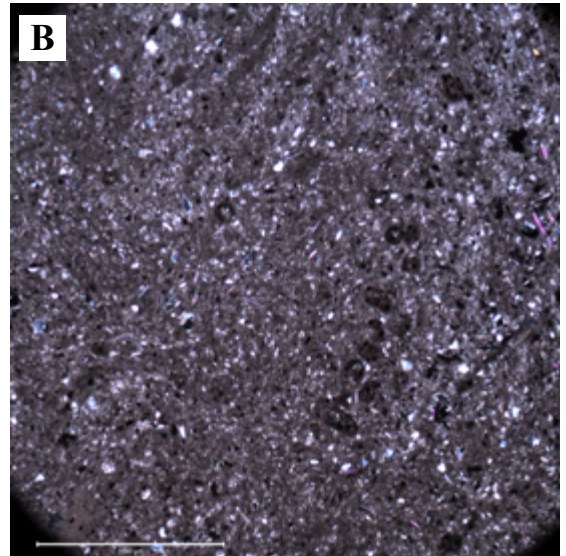
Appendix Figure 81.



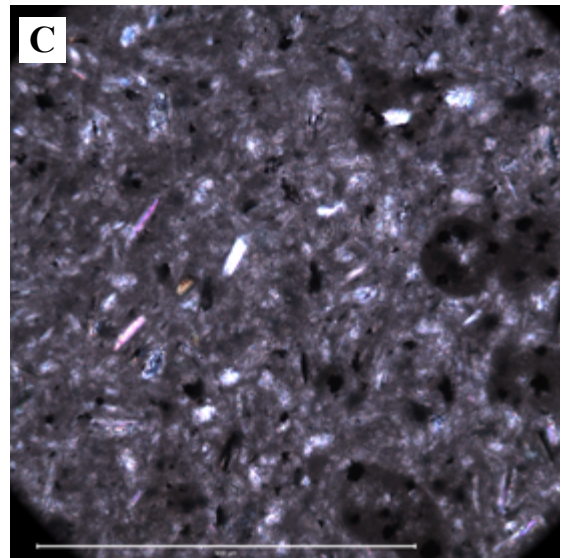
Appendix Figure 82.



A
317-U1354B-13H-2W, 74 cm 500 μm

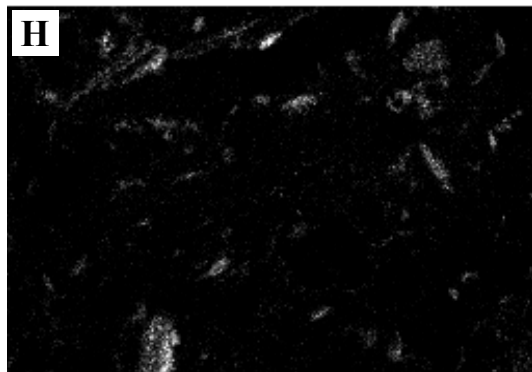
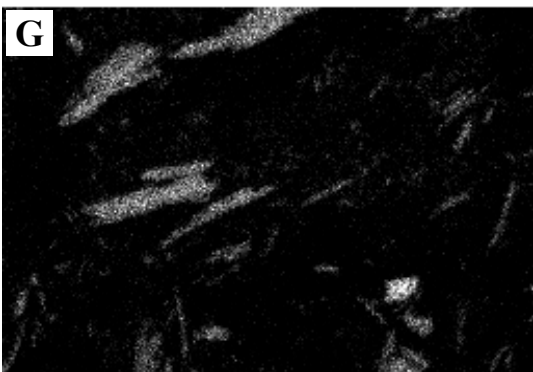
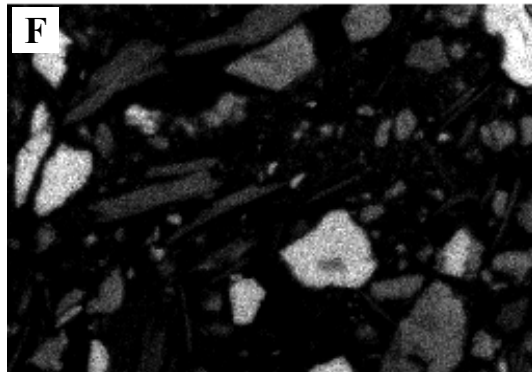
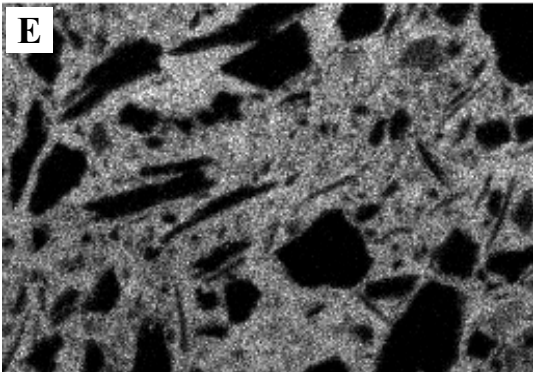
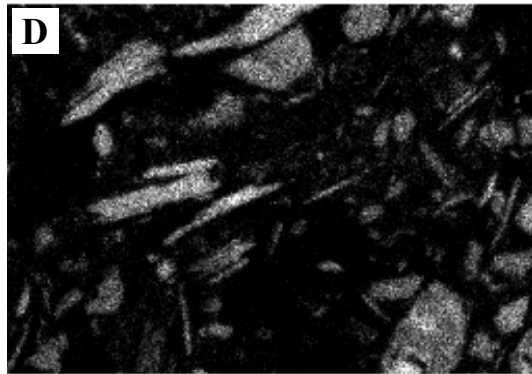
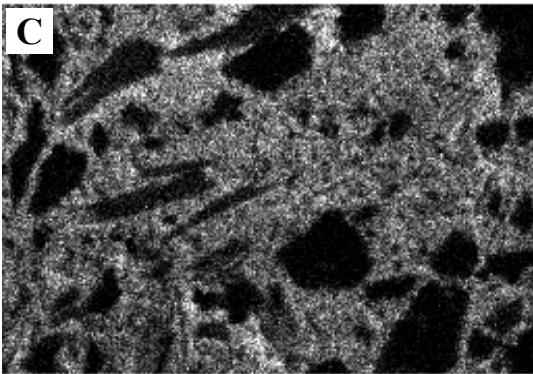
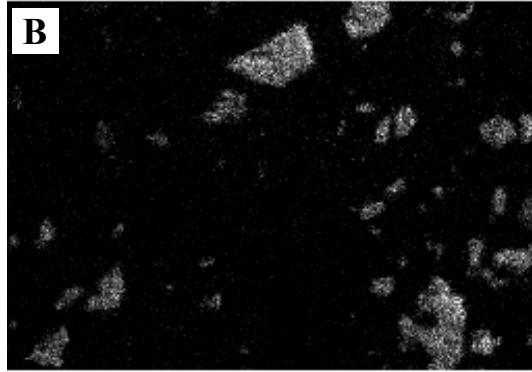
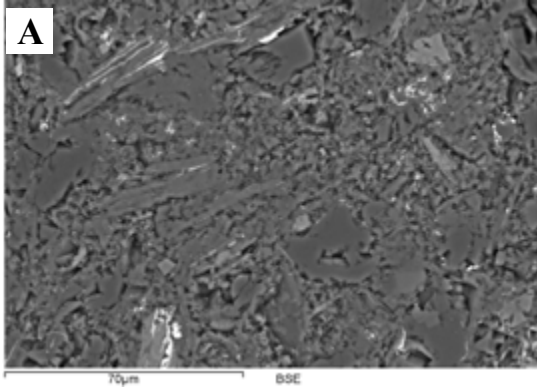


B
317-U1354B-13H-2W, 74 cm 500 μm

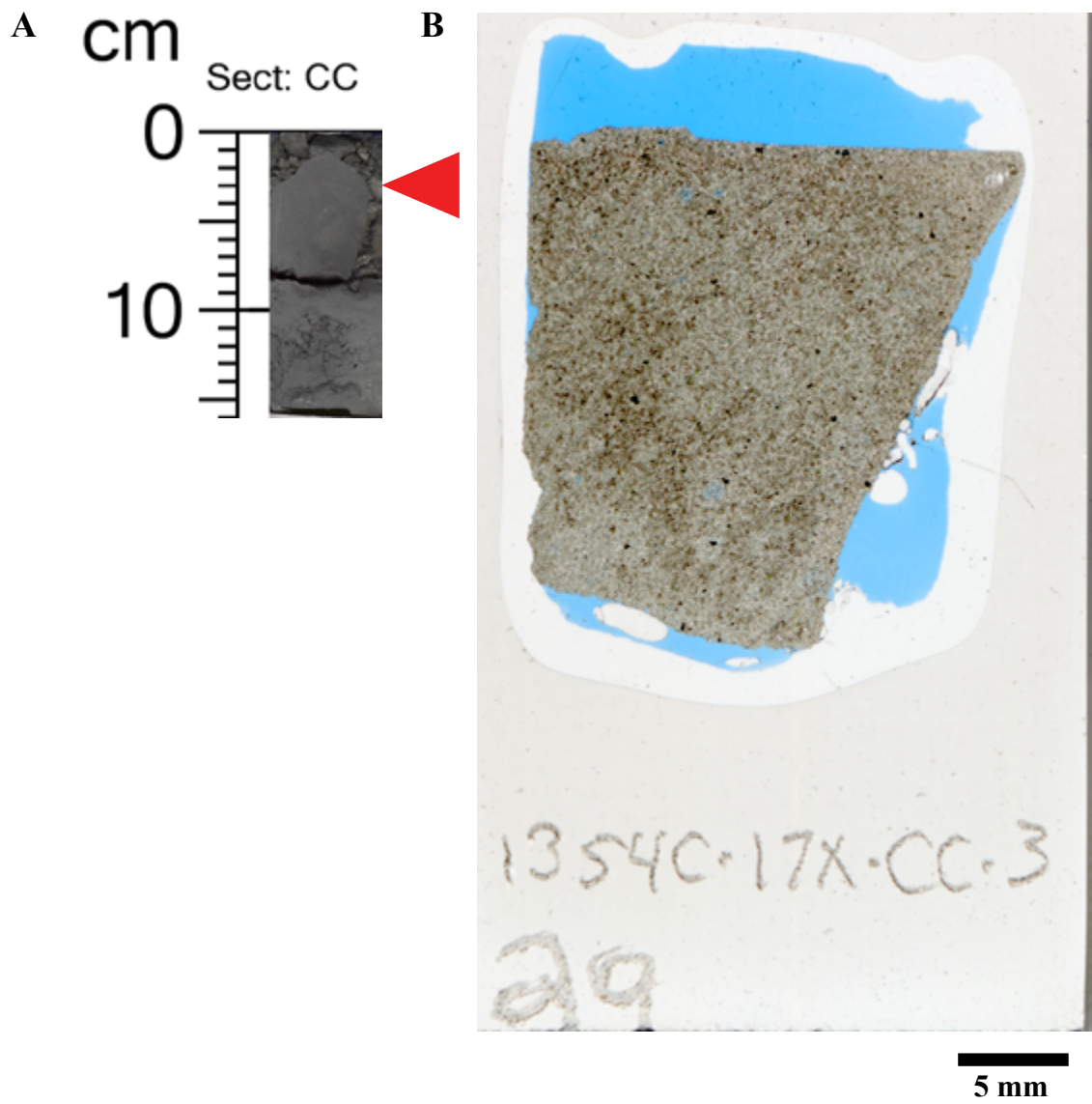


C
317-U1354B-13H-2W, 74 cm 100 μm

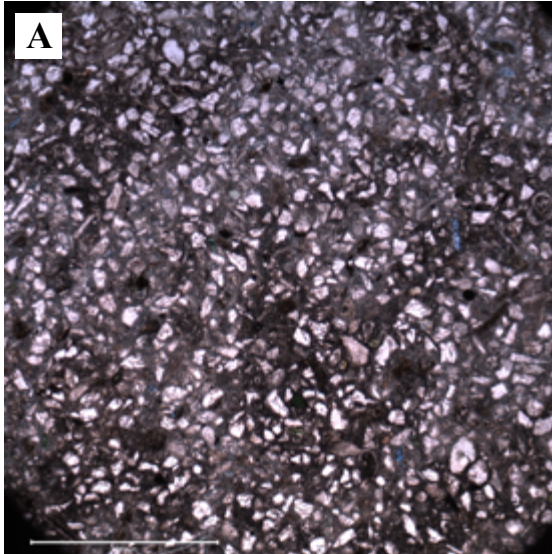
Appendix Figure 83.



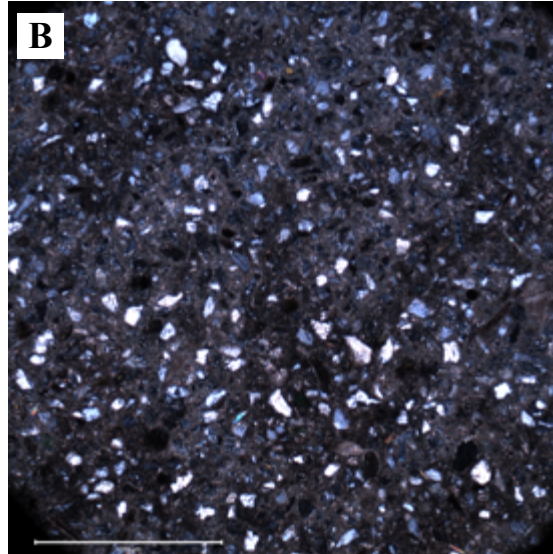
Appendix Figure 84.



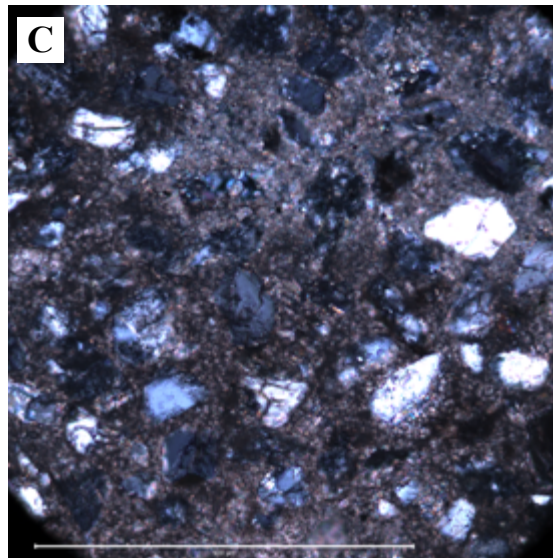
Appendix Figure 85.



A
317-U1354C-17X-CC, 3 cm 500 μ m

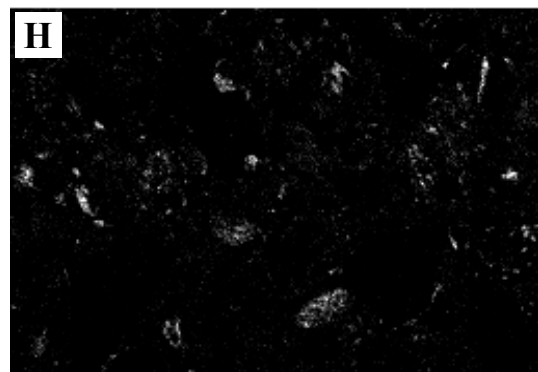
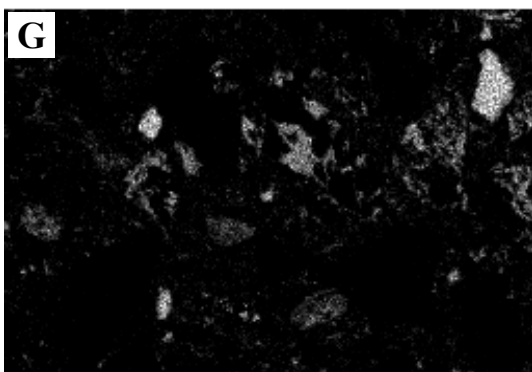
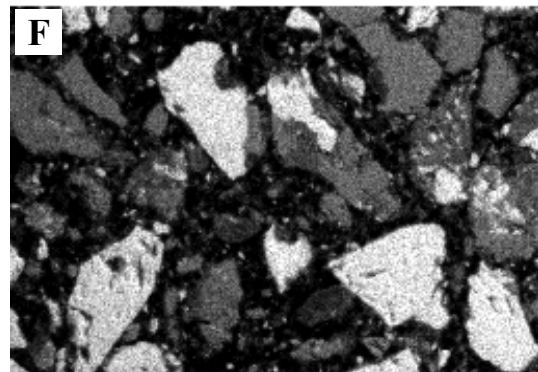
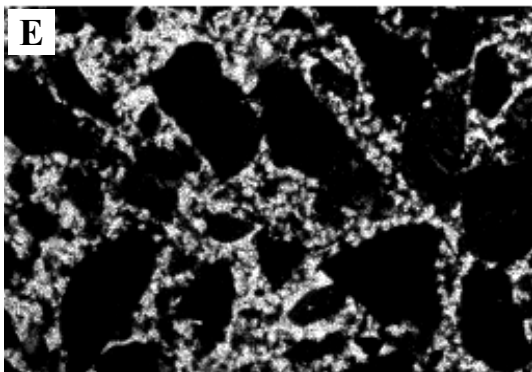
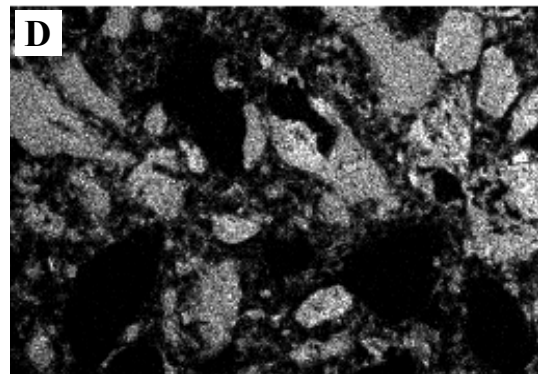
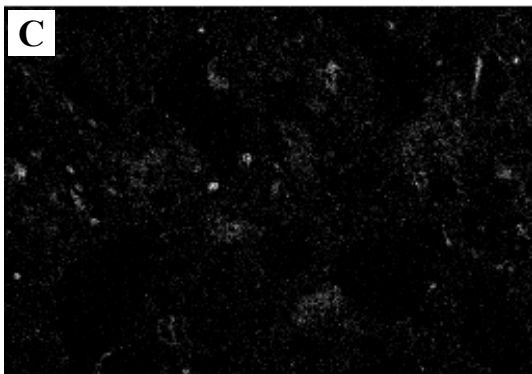
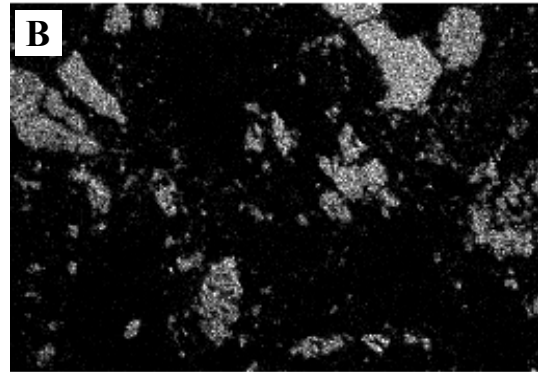
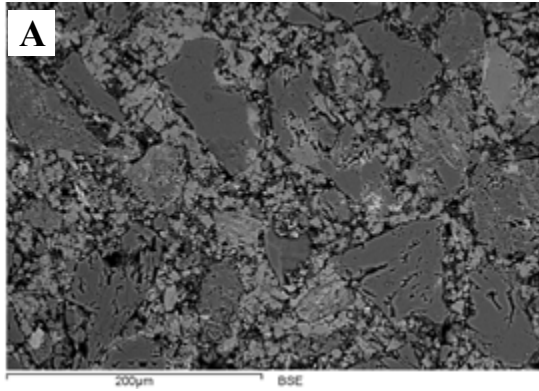


B
317-U1354C-17X-CC, 3 cm 500 μ m

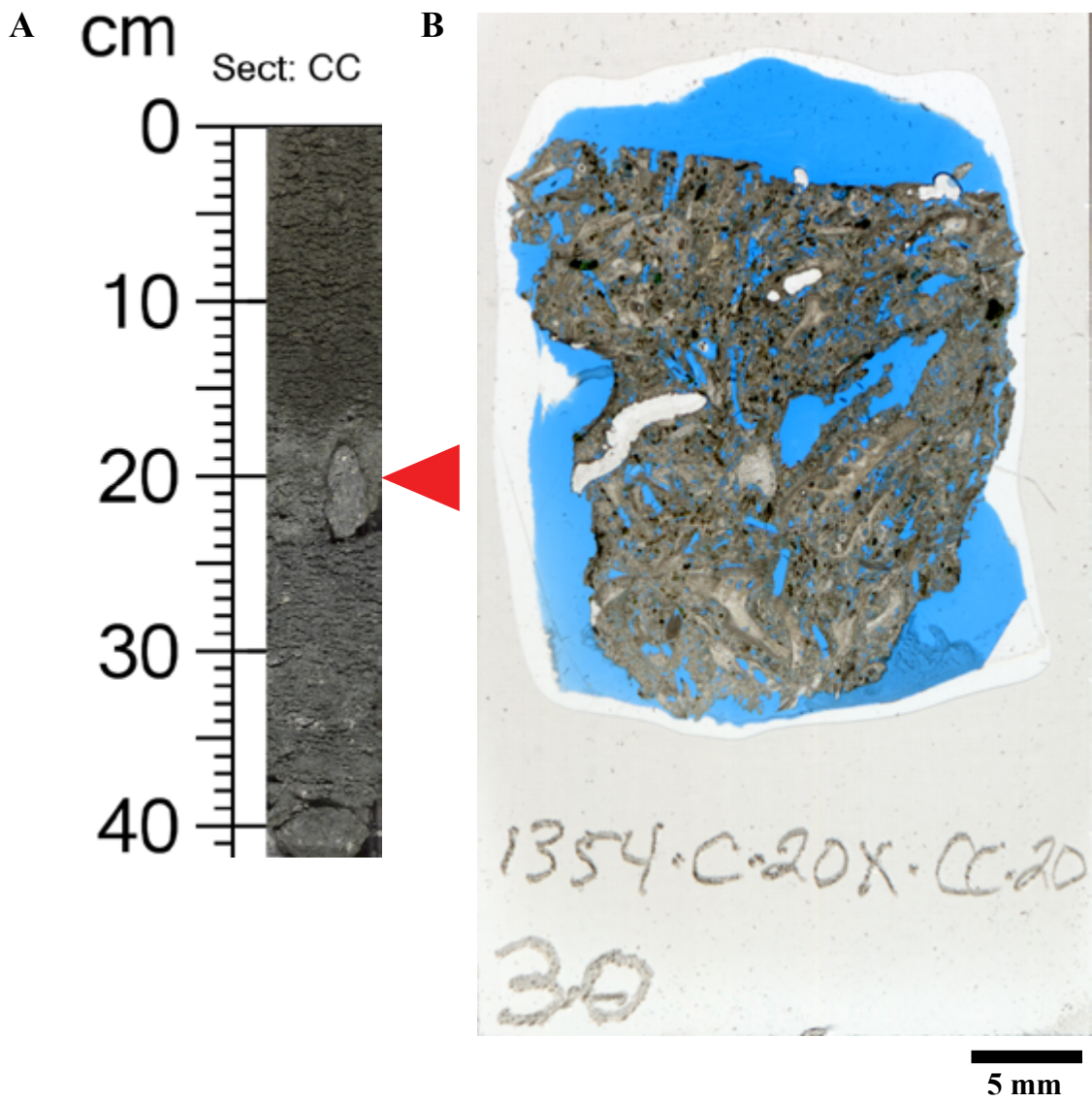


C
317-U1354C-17X-CC, 3 cm 100 μ m

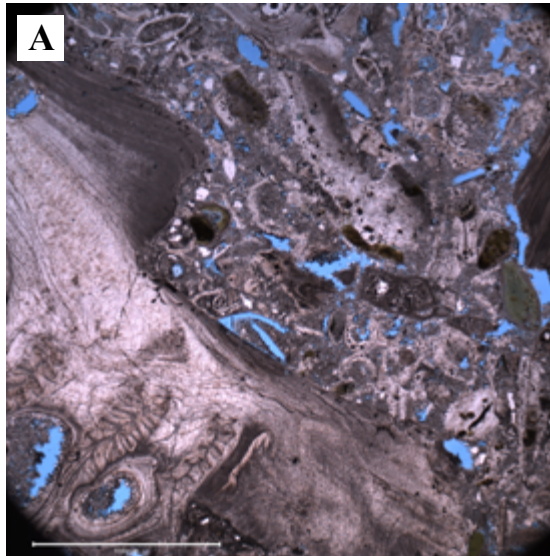
Appendix Figure 86.



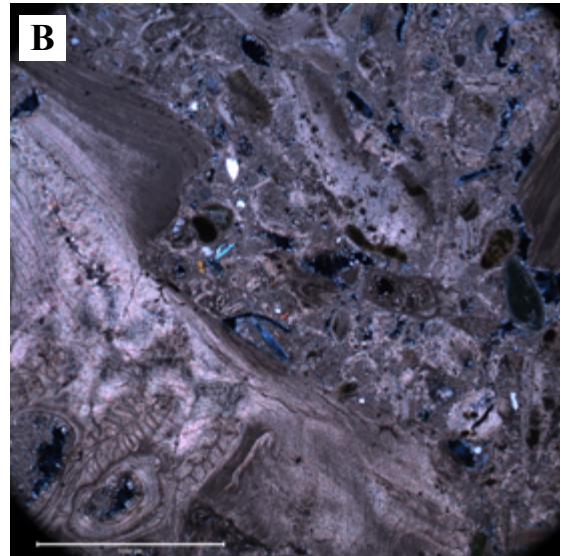
Appendix Figure 87.



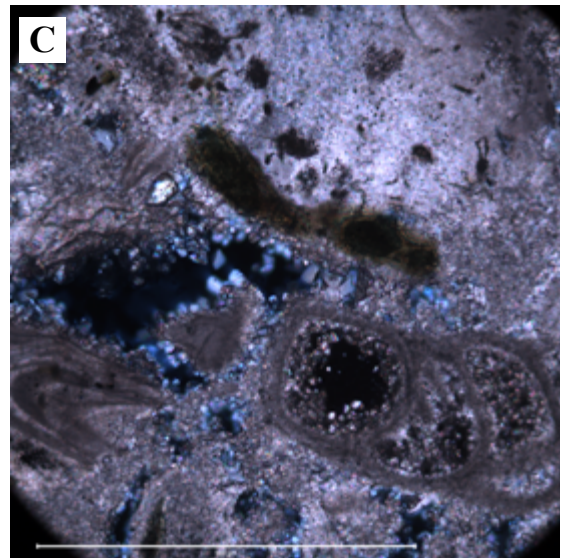
Appendix Figure 88.



317-U1354C-20X-CC, 20 cm 500 µm

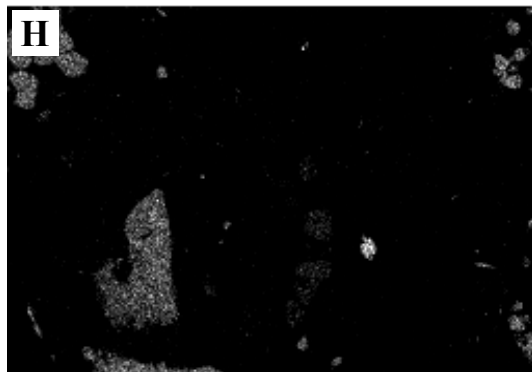
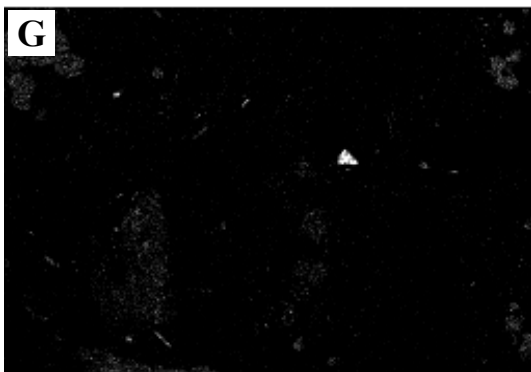
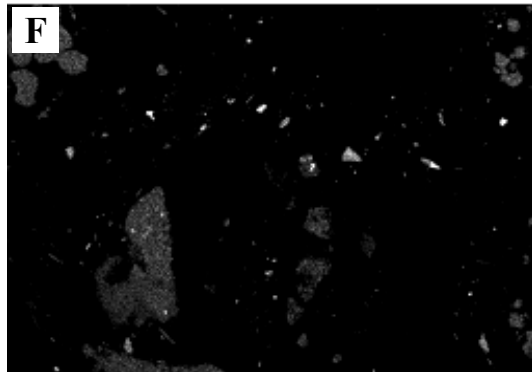
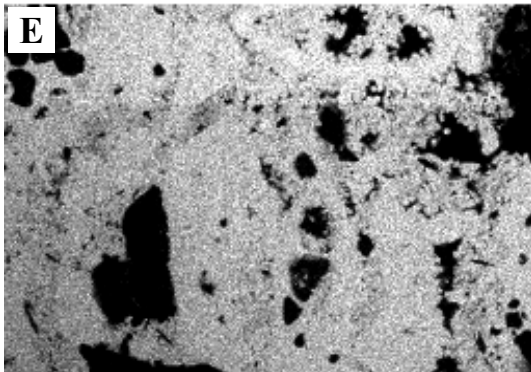
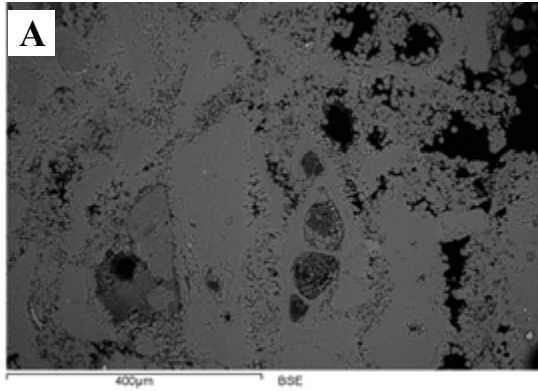


317-U1354C-20X-CC, 20 cm 500 µm



317-U1354C-20X-CC, 20 cm 100 µm

Appendix Figure 89.



Appendix Figure 90.