

MISSION DRIVE IN MARQUEE

San Antonio, Texas



PAINT ANALYSIS REPORT COMPILED FOR BEATTY PALMER ARCHITECTS INC.

Compiled by Restoration Associates LLC
Mary C. Jary and Elisa Jary
February 2011

PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February, 2011

Project Name: Mission Marquee

Element Code: Sample 1

Description: South wing wall

Substrate: Common Brick

Location: East side of marquee

Color Chip:



Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. Primer	White		
2. Off White	10 YR 9/2	Oil	
3. tan skim coat with aggregate			
4. white with aggregate			
5. orange red	7.5R 5/12-6/12		
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Observations: This sample showed various areas with the bright white occurring as the first layer and also on the same sample showing the orange red as the first layer.



PAINT ANALYSIS DOCUMENTATION

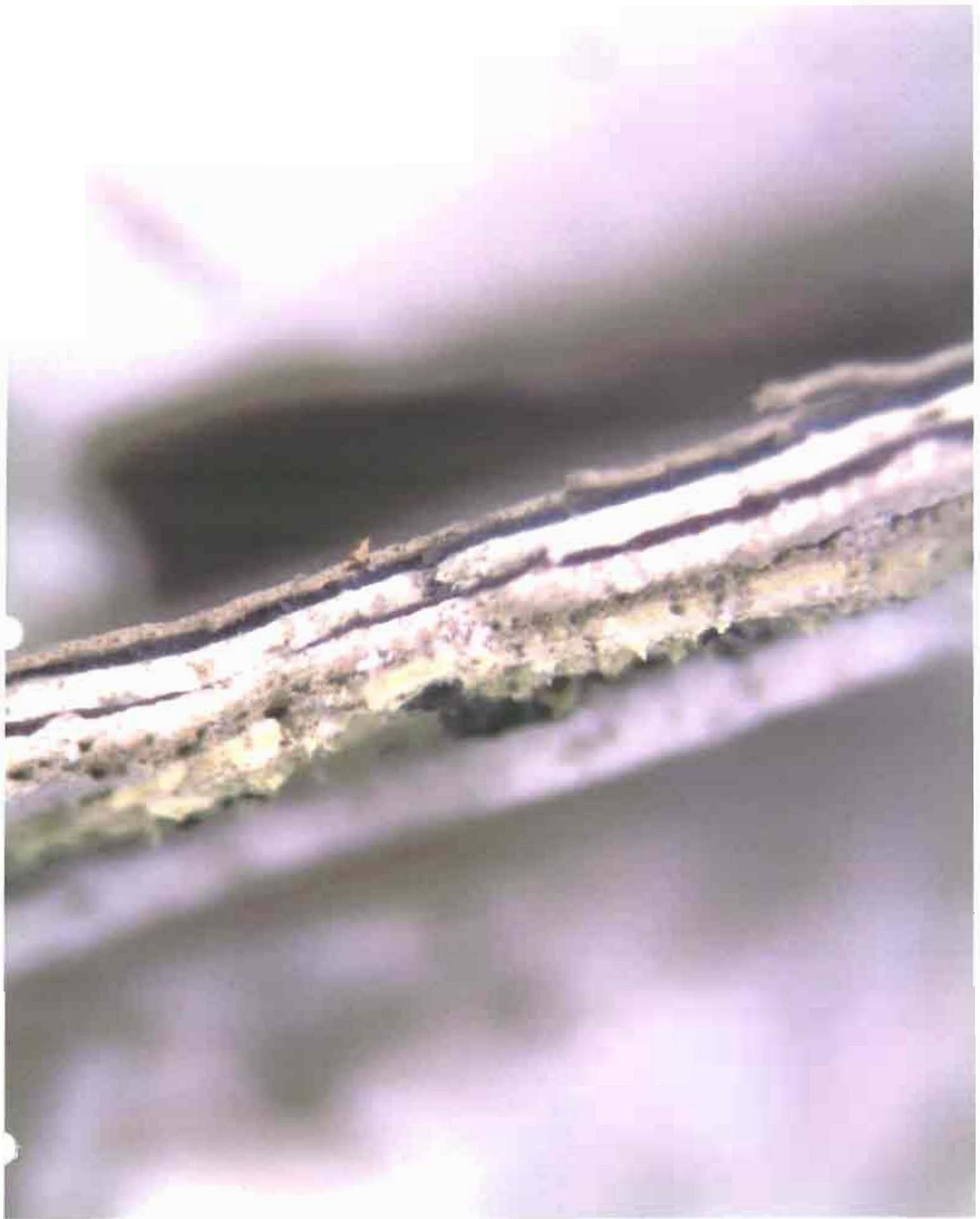
Restoration Associates Ltd., LLC

Date: February 2011

Element Code: Sample 1

Detail Photomicrographs:





PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February, 2011

Project Name: Mission Marquee

Element Code: Sample 2

Description: South wing wall niche

Substrate: Common Brick

Location: East side of marquee

Color Chip:



Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. orange red	7.5R 5/12-6/12	oil	
2. tan with aggregate			
3. off white skim coat with aggregate			
4. dark blue black			
5. off white skim coat with aggregate			
6. dark blue black			
7. cream existing			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Observations: This sample showed various areas with the bright white occurring as the first layer and also on the same sample showing the orange red as the first layer. Different areas from the same sample showed differing layers of paint.



PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February, 2011

Element Code: Sample 2

Detail Photomicrographs:



PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February 28, 2011

Project Name: Mission Marquee Drive In

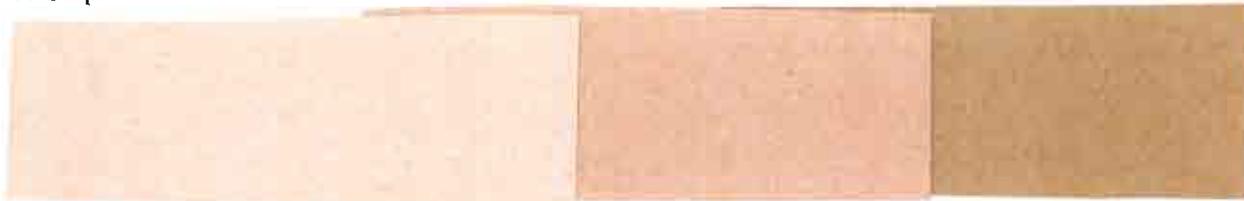
Element Code: Sample 3

Description: Marquee left of mural

Substrate: common brick

Location: East Elevation

Color Chip:



Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. Coral	10R 7/6- 10R 8/4- 5YR 8/6		
2. tan with aggregate			
3. dark blue violet			
4. cream			
5. black			
6. off white existing			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Observations:



PAINT ANALYSIS DOCUMENTATION
Restoration Associates Ltd., LLC
Date: February 2011

Element Code: Sample 3

Detail Photomicrographs:



PAINT ANALYSIS DOCUMENTATION
Restoration Associates Ltd., LLC
Date: February 2011

Project Name: Mission Marquee Drive In

Element Code: Sample 4

Description: marquee left of mural

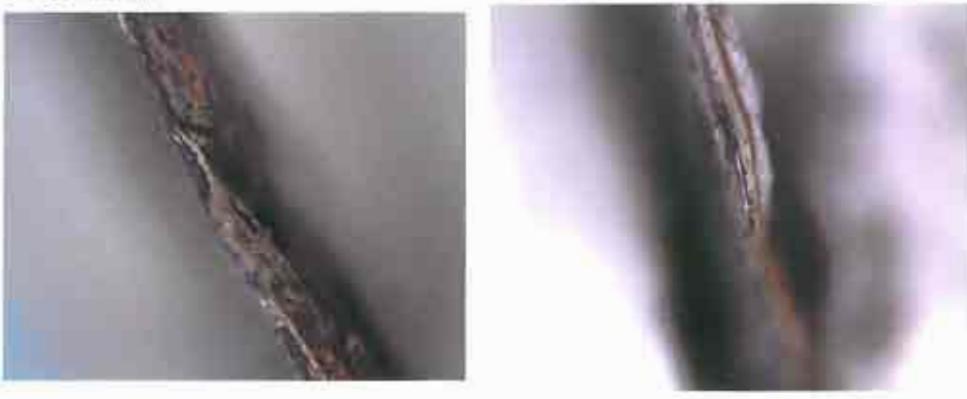
Substrate: common Brick

Location: East Elevation

Color Chip:

Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. red orange	7.5 R 5/12-6/12	oil	
2. tan with aggregate			
3. dark blue violet			
4. cream			
5. black			
6. off white existing			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Observations:



PAINT ANALYSIS DOCUMENTATION
Restoration Associates Ltd., LLC
Date: February 2011

Element Code: Sample 4

Detail Photomicrographs:



PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February 28, 2011

Project Name: Mission Drive in Marquee

Element Code: Sample 5

Description: Marquee right of Mural

Substrate: Common Brick

Location: East Elevation

Color Chip:

Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. black			
2. red orange	5 R 6/12-6/14		
3. orange red			
4. black			
5. off white			
6. red orange			
7. off white			
8. orange red			
9. off white with aggregate			
10. orange red			
11. tan with aggregate			
12. white skim coat			
13. dark blue violet			
14. skim coat			
15. dark blue violet			

Observations:



PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February 2011

Element Code: Sample 5

Detail Photomicrographs:



PAINT ANALYSIS DOCUMENTATION
Restoration Associates Ltd., LLC
Date: February 2011

Project Name: Mission marquee Drive In

Element Code: Sample 6

Description: North Wing Wall

Substrate: Common Brick

Location: East Elevation

Color Chip:

Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. orange red	7.5 5/12-6/12		
2. tan with aggregate			
3. off white			
4. dak blue violet			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Observations:



PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February, 2011

Element Code: Sample 6

Detail Photomicrographs:



PAINT ANALYSIS DOCUMENTATION
Restoration Associates Ltd., LLC
Date: February 2011

Project Name: Mission Marque Drive in

Element Code: Sample 7

Description: Niche

Substrate: common brick

Location: North Wing Wall East Elevation

Color Chip:

Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. orange red	7.5 R 5/12-6/12	oil	
2. white			
3. red orange			
4. dark red orange			
5. tan with aggregate			
6. black			
7. white			
8. blue violet			
9. white off white existing			
10.			
11.			
12.			
13.			
14.			
15.			

Observations:



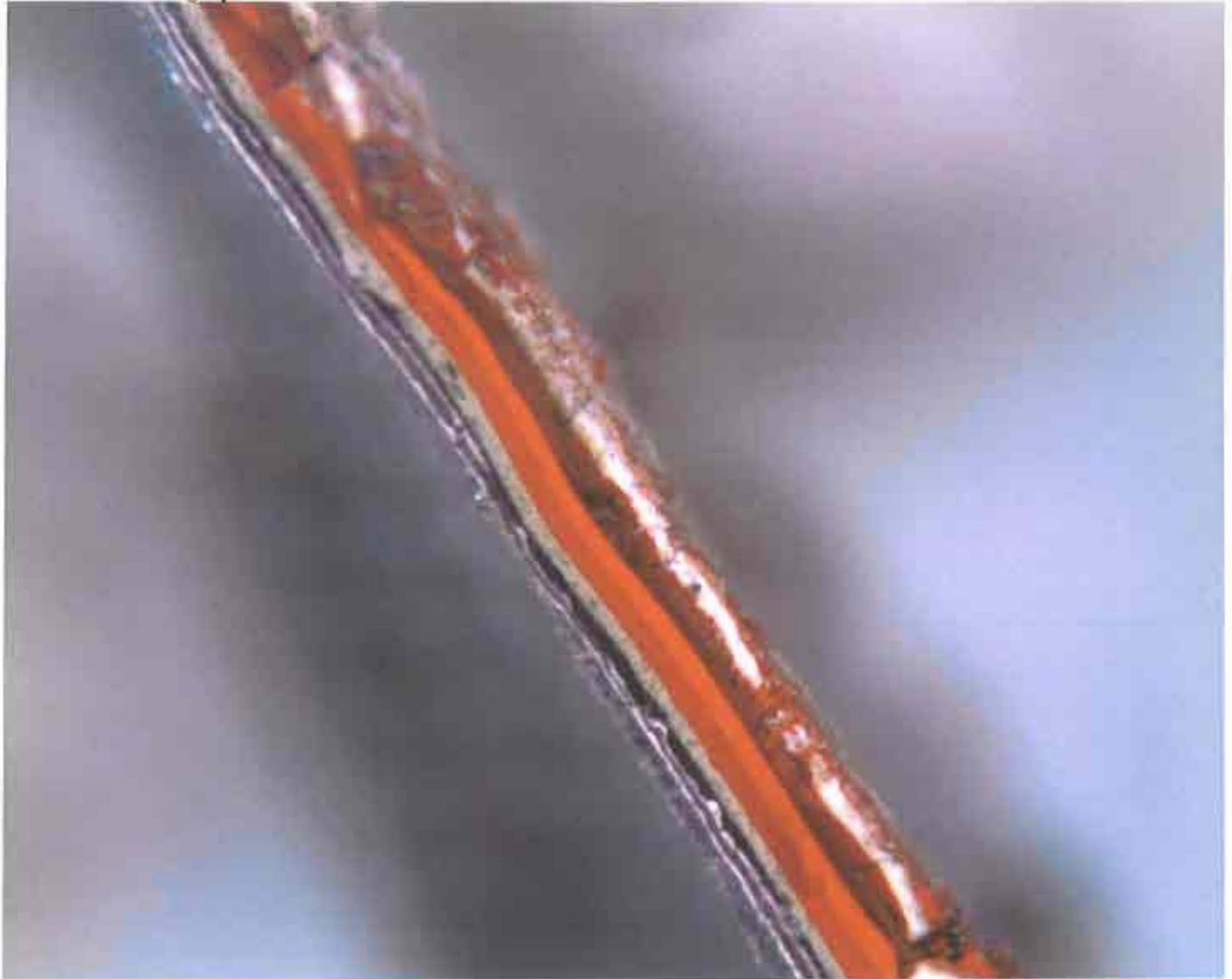
PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February 2011

Element Code: Sample 7

Detail Photomicrographs:



PAINT ANALYSIS DOCUMENTATION
Restoration Associates Ltd., LLC
Date: February 2011

Project Name: Mission Marquee Drive In

Element Code: Sample 8

Description: Niche

Substrate:

Location: North Wing Wall East Elevation

Color Chip:

Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. Coral	5YR 8/6		
2. off white	10YR 9/2		
3. tan with aggregate			
4. cream			
5. black			
6. cream			
7. dark blue violet			
8. off white existing			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Observations:



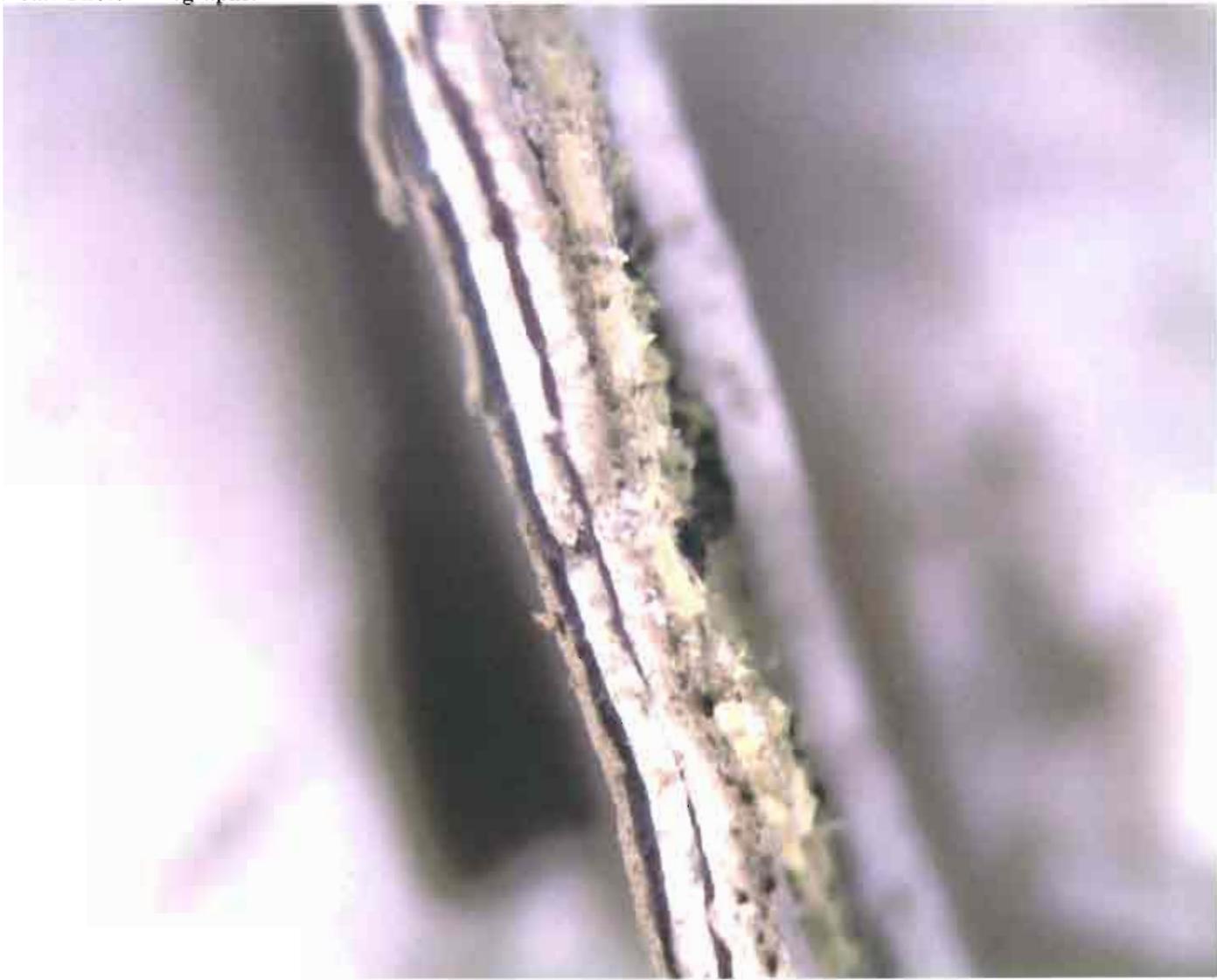
PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February 2011

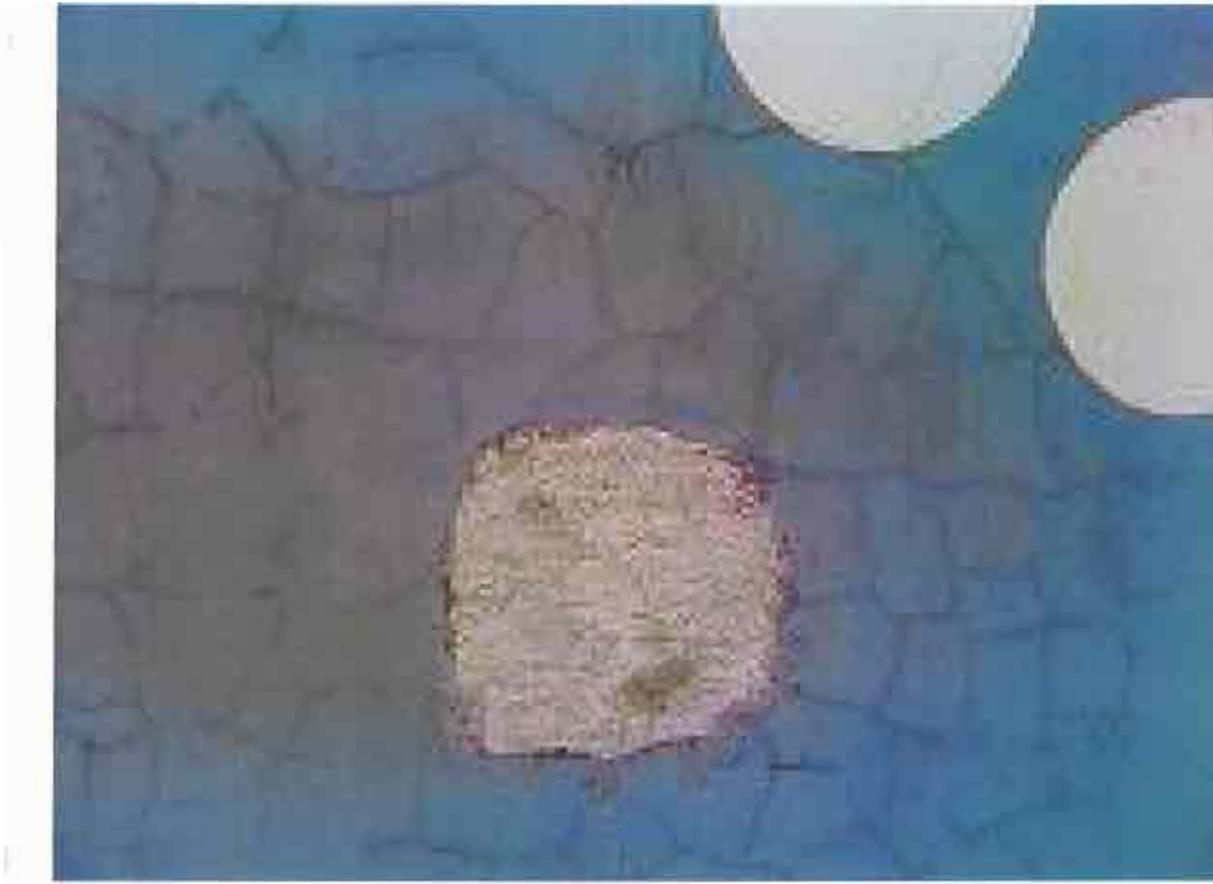
Element Code: Sample 8

Detail Photomicrographs:



CHEMICAL REVEALS





Chemical reveal at face of mural. Findings were inconclusive



Mural Area of marquee. Notice Keenes partial patch .



Marquee tower right. Extra Chemical reveals. Findings were as reported. Red orange layer Keenes and an inconclusive identification with no Keenes

EXECUTIVE SUMMARY

The investigative analysis performed on the Mission Marquee Drive in was executed to determine if any remaining historic color palette could be verified based on historic site photos. The photo showed the following possible color variations. A base color for the wing walls, color for the niches, Marquee overall color, band at the side of the mural, lettering on the Marquee tower and the possible remaining mural.

The mural and walls received numerous layers of paint and patching over the years. The substrate was found to be common brick. All samples that were examined under photo microscopy showed an inconsistent number of layers. The majority of the first layers were found to be an orange red Munsell notation 7.5 YR 5/12-6/12 and 5R 6/12-6/14. There were also findings in several areas of an Off White 10 YR 9/2. this color would most probably be the original color for the structure. Some areas received a bright white thin skin coat in the first second and third layers. It also should be noted that this bright white layer was found to be inconsistent in its occurrence from our number of samples taken.. These areas were used as patching or color blocking in later non historic campaigns. After a site visit during the general contractors paint removal I examined the white layer that was very hard to remove. It is believed to be Keenes Cement. It can be removed without damaging underlying areas by using a water spray at a low PSI .

In the paint removal stage by the general contractor it could be visually noted that the original remaining paint was very minimal on the East elevation.

The murals, wing walls, niches all showed predominantly orange red as the first color next to the substrate. Only 3 sample examined showed fragments of Off White, Coral and Aubergine. This was identified on the Wing walls. Additional sites on the west side were examined to try and find a consistent number off paint layers It also was noted during the paint removal stage by the GC that lettering was visible beneath the Keenes layer.

No conclusive evidence of the historic mural from the 2 chemical reveal areas examined was found. It should be noted that the 2 areas were only examined to the Keenes layer. Keenes is not soluble with normal chemical reveal techniques. No site material testing prior to our work was required in this scope.

CONCLUSION

Due to the inconsistencies in the number remaining paint layers that were examined the evidence is inconclusive, and therefore can not provide all the historic data.

The by reviewing orange red color found on the majority of the paint samples on many different layers it can be concluded that this is not an original historic color. Aggressive paint removal could account for the lack of Historic data.

RECOMMENDATIONS

A recommendation of a base color of Off white 10YR 9/2 and Coral 10R 7/6, Medium Coral 10R8/4 and light Coral 5YR 8/6 for the niches and Aubergine 10RP3/6 for the trim brick around the Niches. The West elevation was matched to a Dark Blue Green. The upper screen was matched to a simple white. In site discovery of the existing historic remaining lettering it is recommended that additional investigation of the Mural through the Keenes layer in several different areas as well as paint samples of additional areas be executed to determine if there are other areas that might provide the historic palette.

PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February 28, 2011

Project Name: Mission Marquee

Element Code: Sample 9

Description: North and South Wing Wall

Substrate: Common Brick

Location: West Elevation

Color Chip:



Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. black			
2. Dark to Medium Blue Green	10G 3/4 - 7.5 G 4/4-5G 5/6		
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

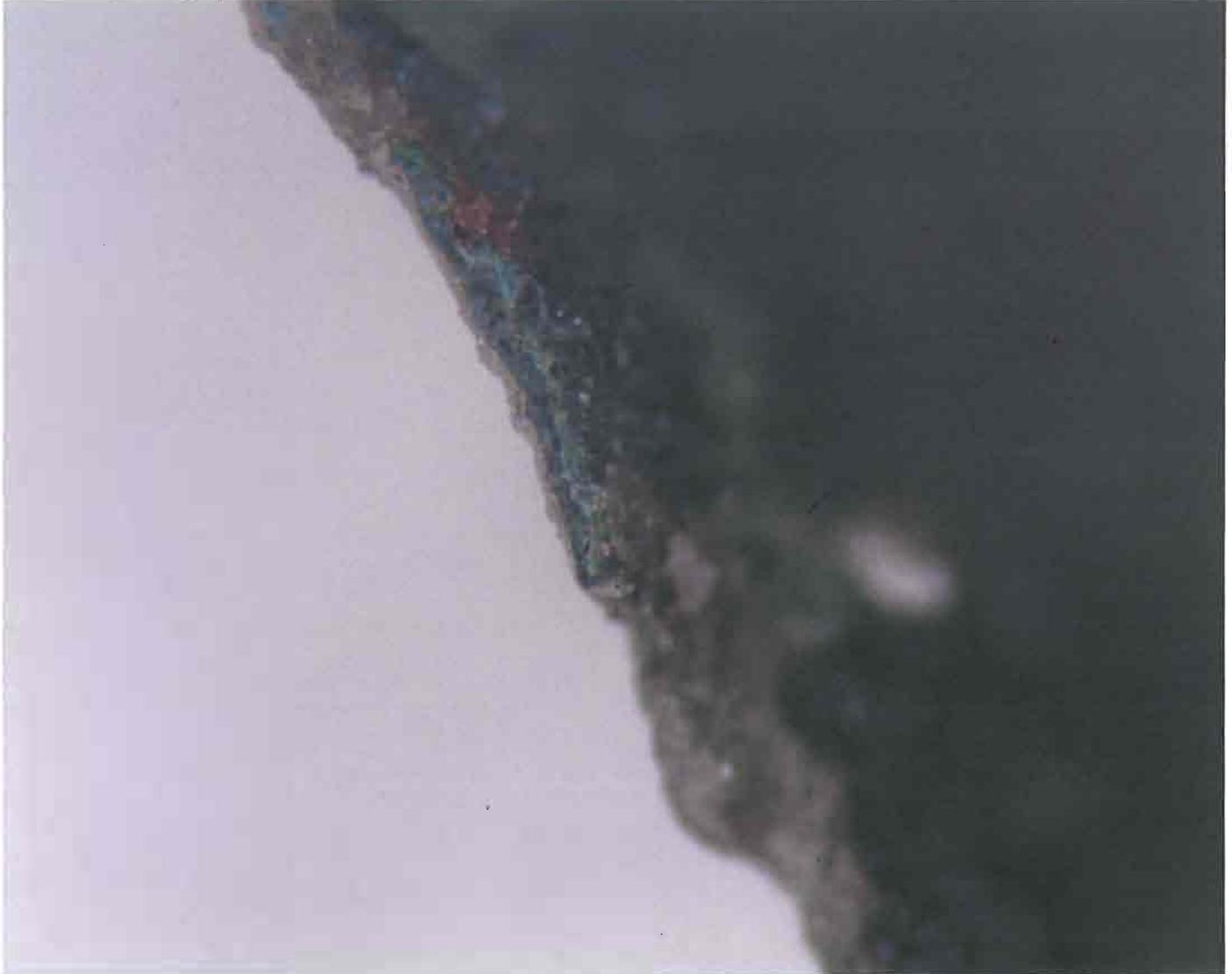
Observations:



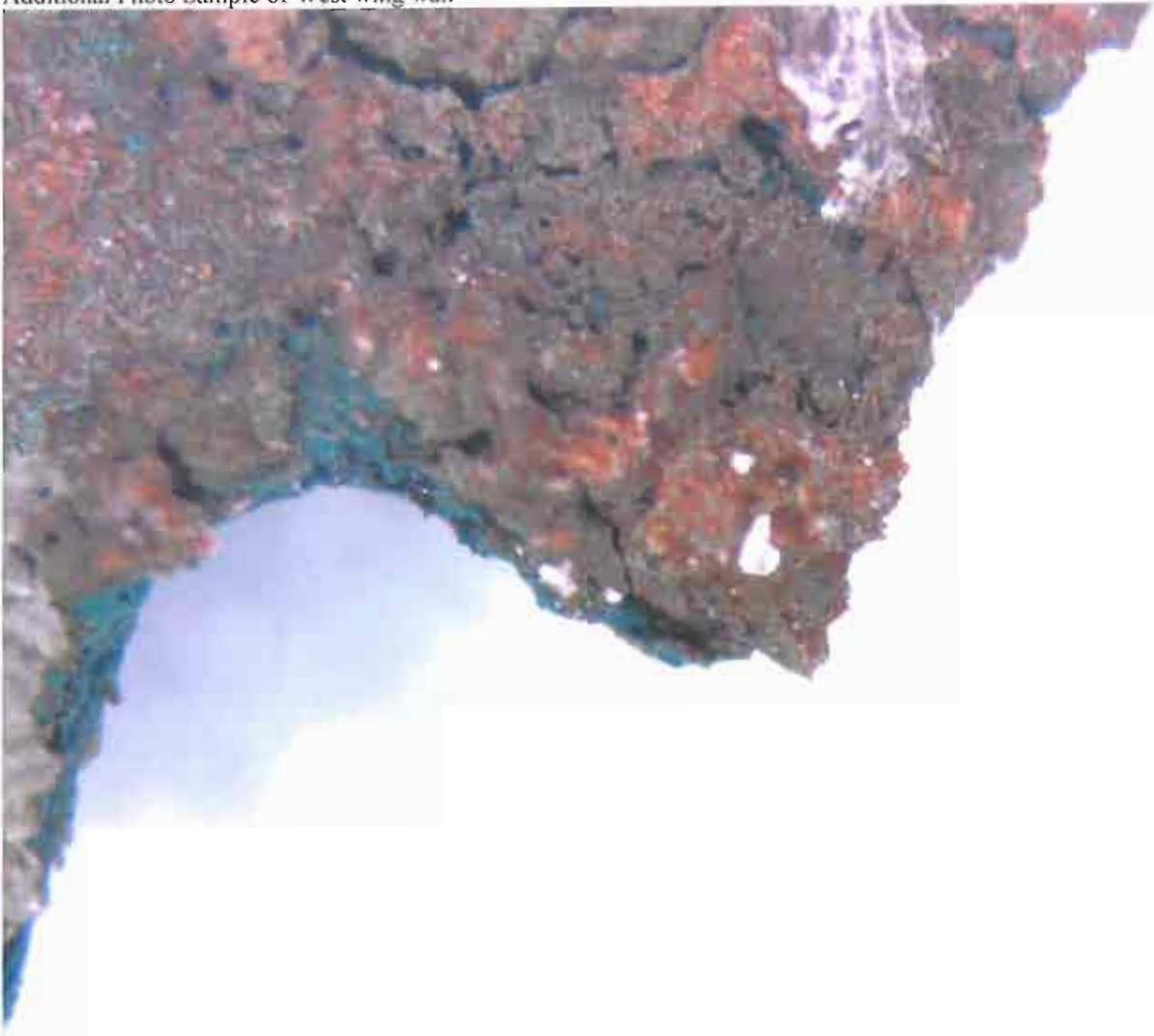
PAINT ANALYSIS DOCUMENTATION
Restoration Associates Ltd., LLC
Date: February 2011

Element Code: Sample 9

Detail Photomicrographs:



Additional Photo Sample of West wing wall



PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

Date: February 28, 2011

Project Name: Mission Marquee

Element Code: Sample 10

Description: Decorative Fin

Substrate: Common Brick

Location: East Elevation

Color Chip:



Paint Layer Chronology	Hue & Chroma Notation	Binder	Finish
1. off white			
2. Aubergine	10 RP 3/6		
3. white			
4. red orange			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Observations:

PAINT ANALYSIS DOCUMENTATION

Restoration Associates Ltd., LLC

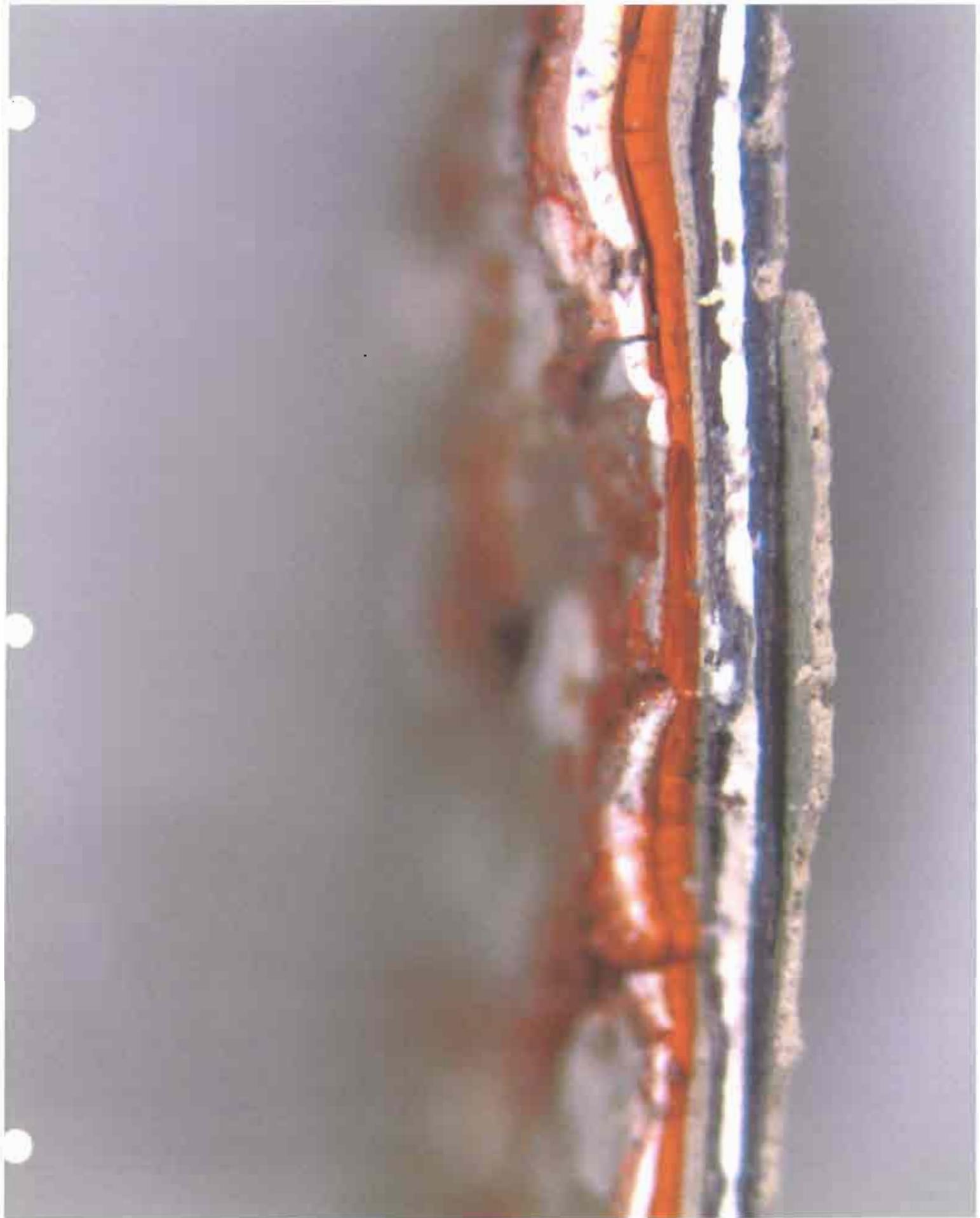
Date: February 2011

Element Code: Sample 10

Detail Photomicrographs:

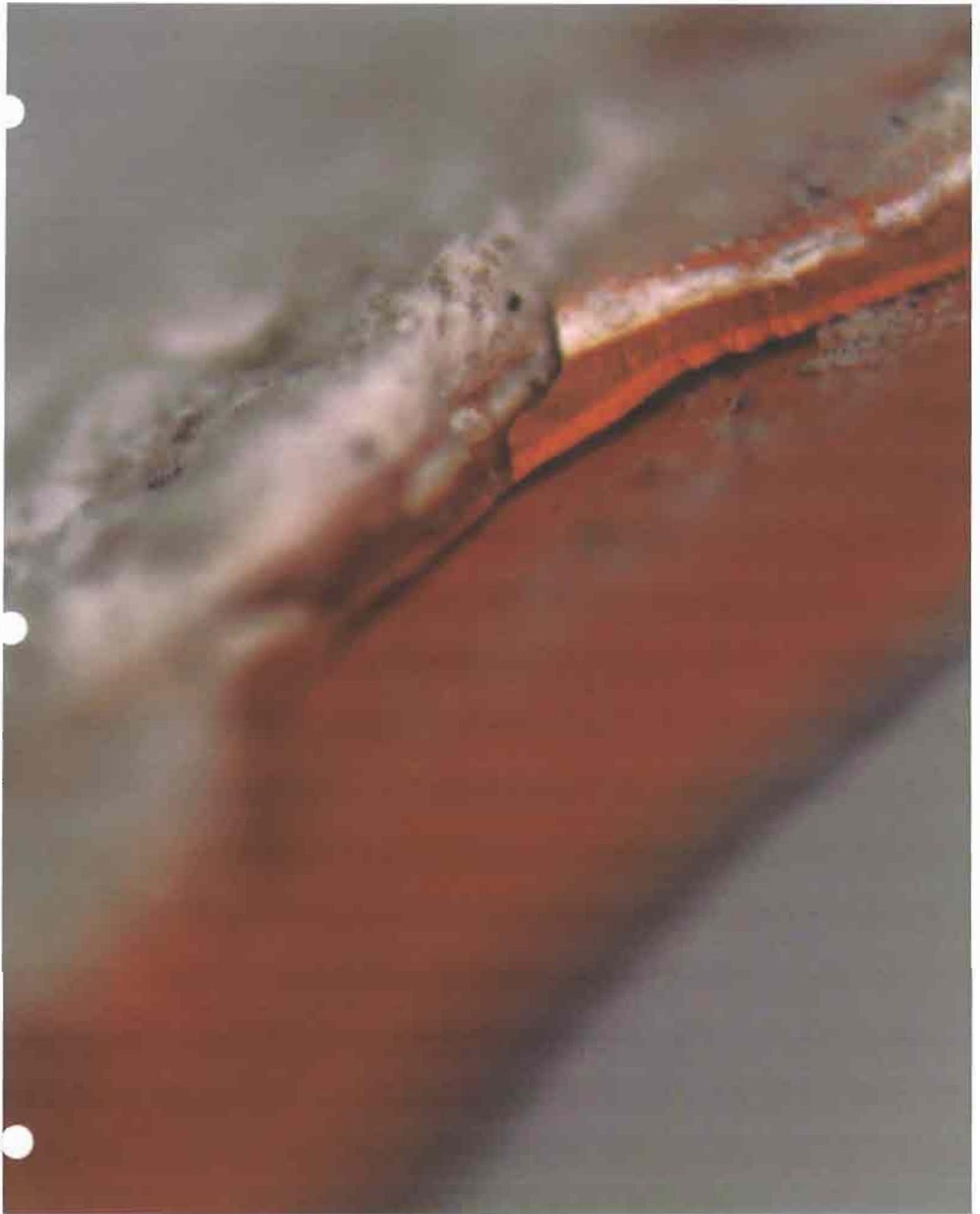
first layer



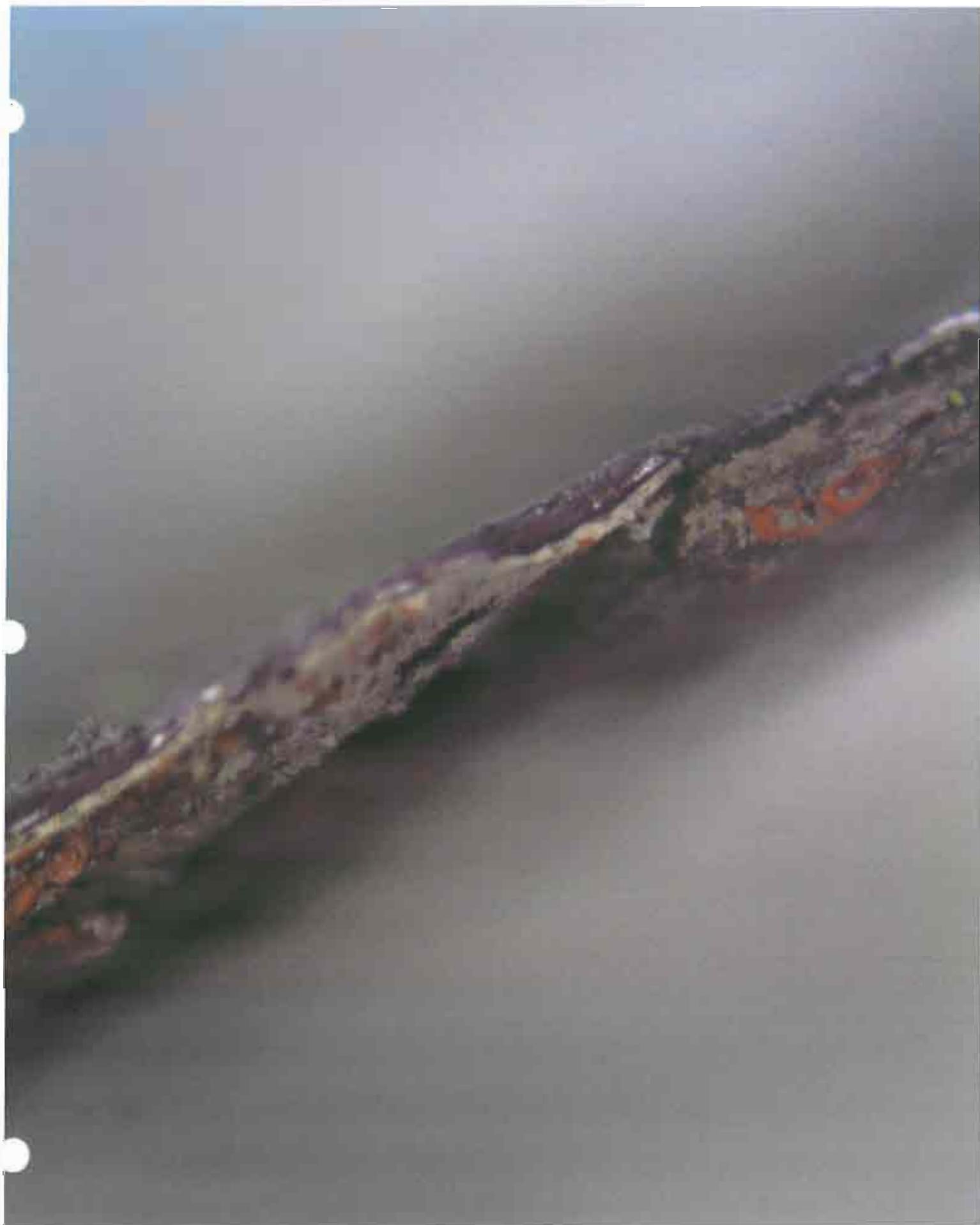




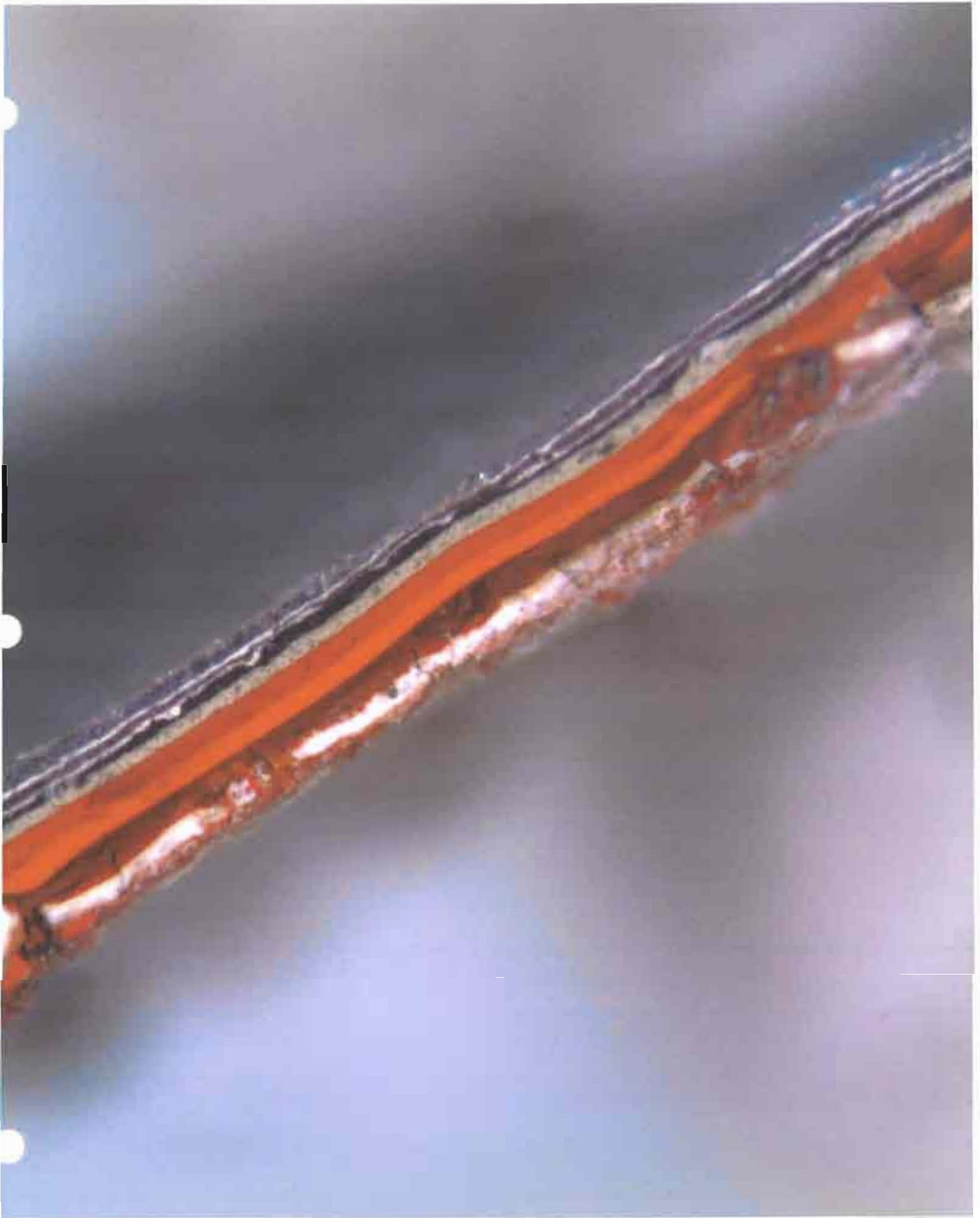




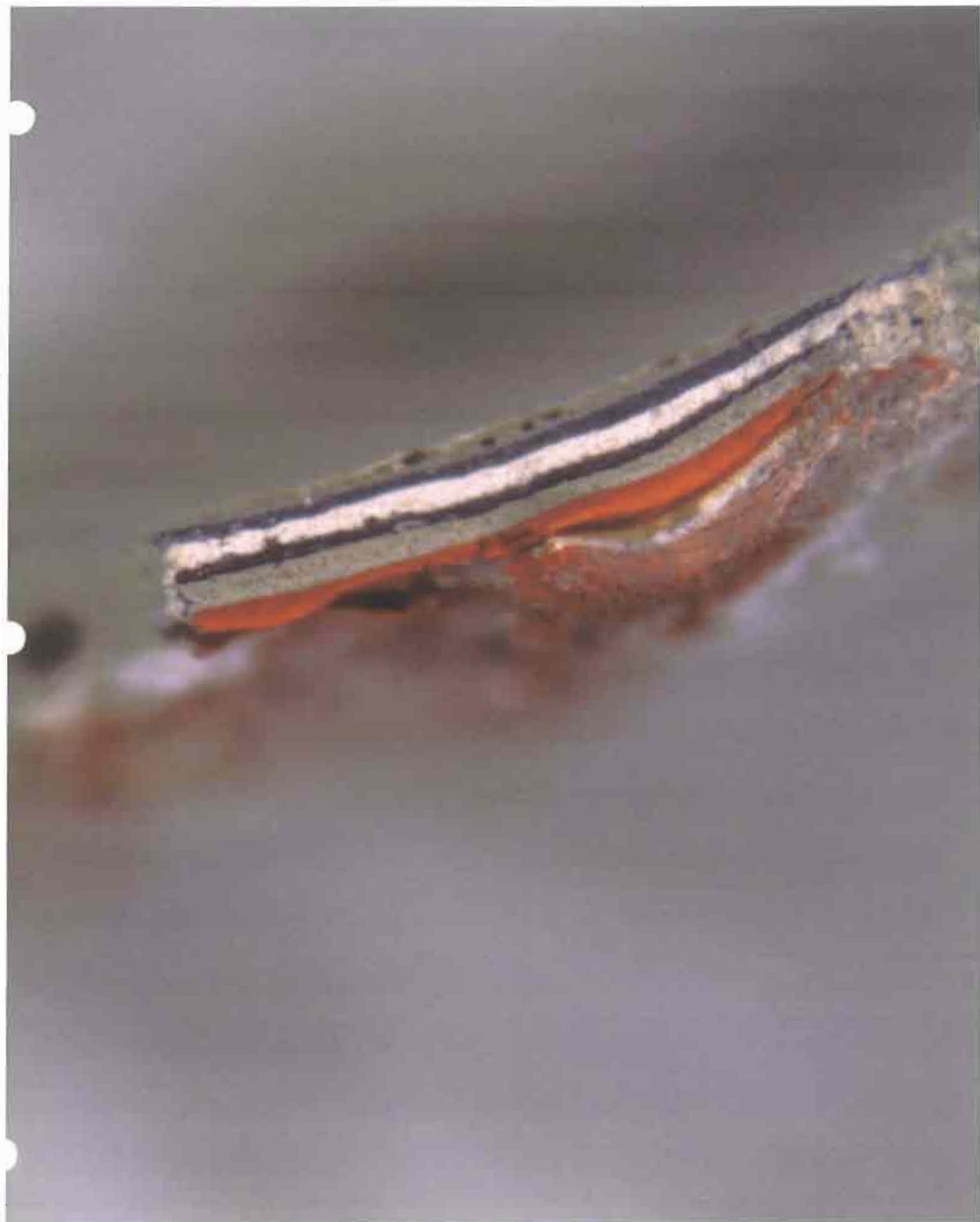






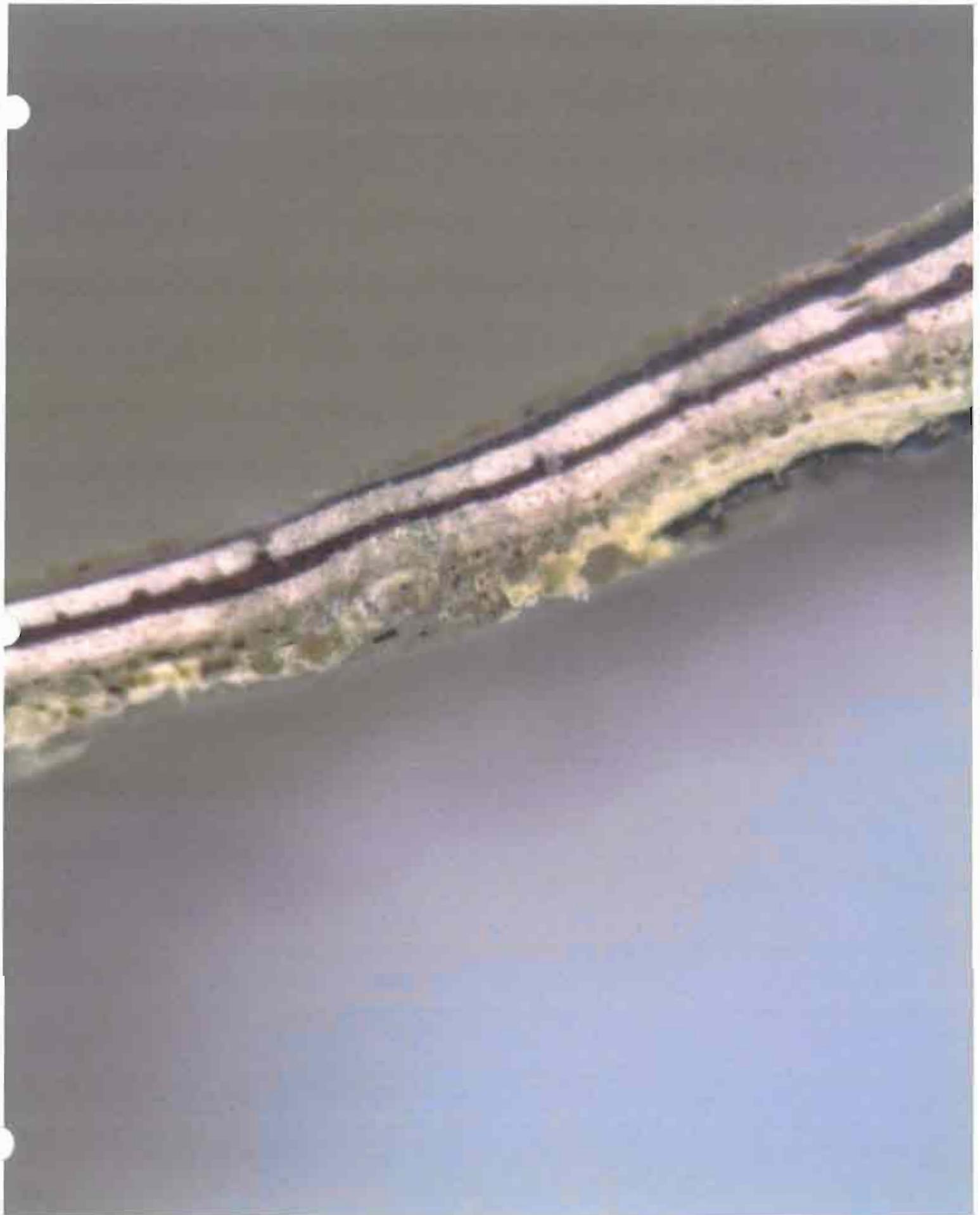






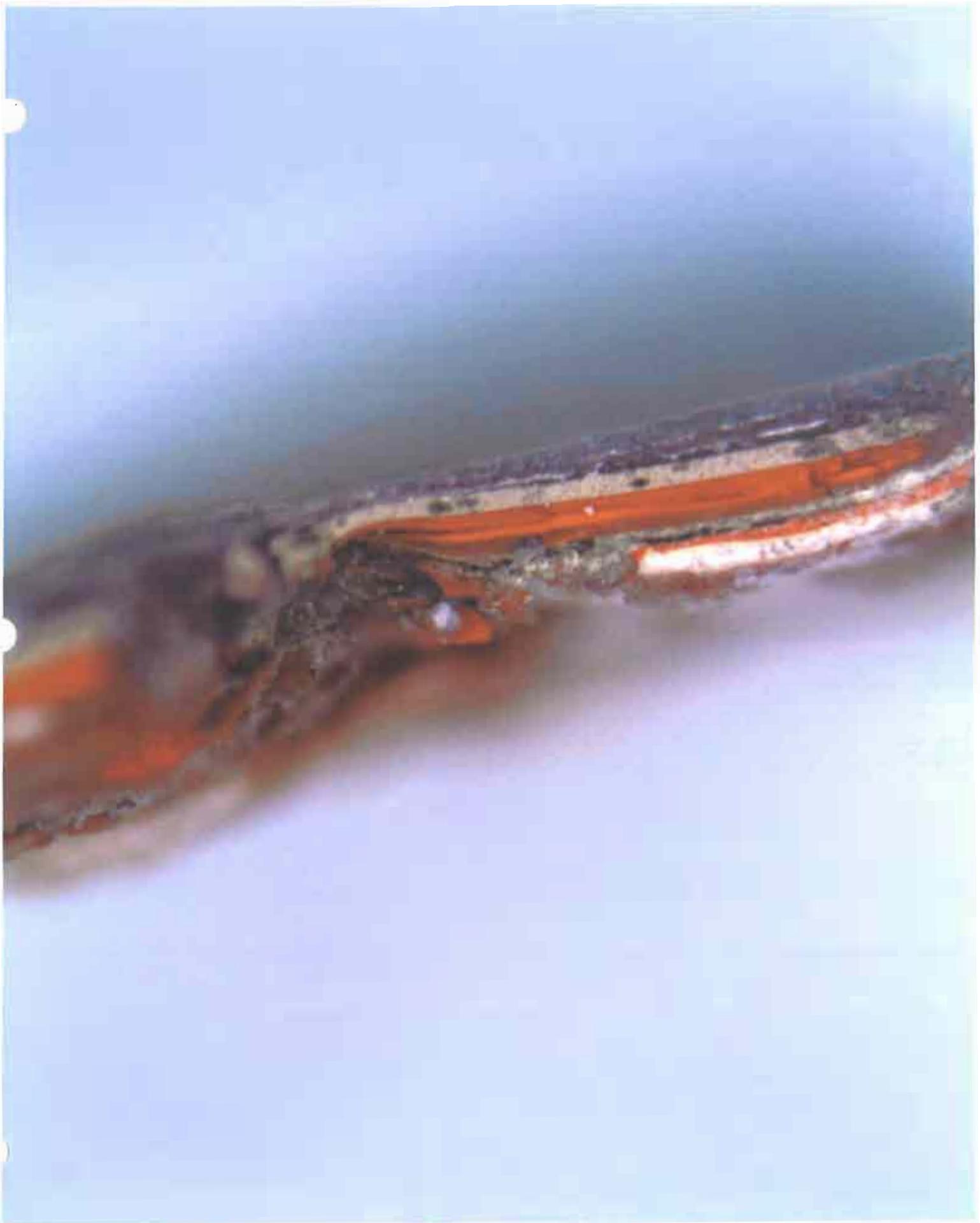


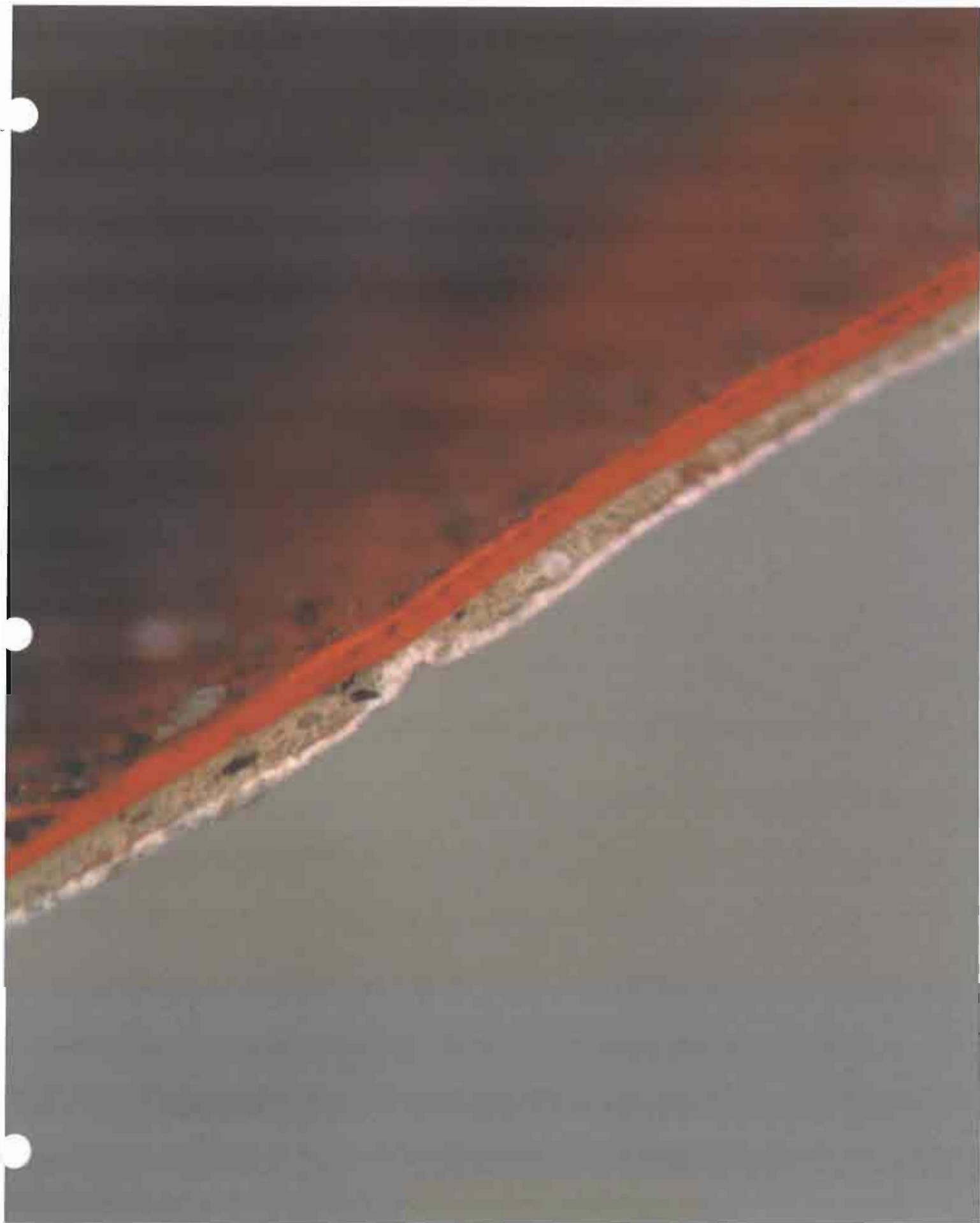


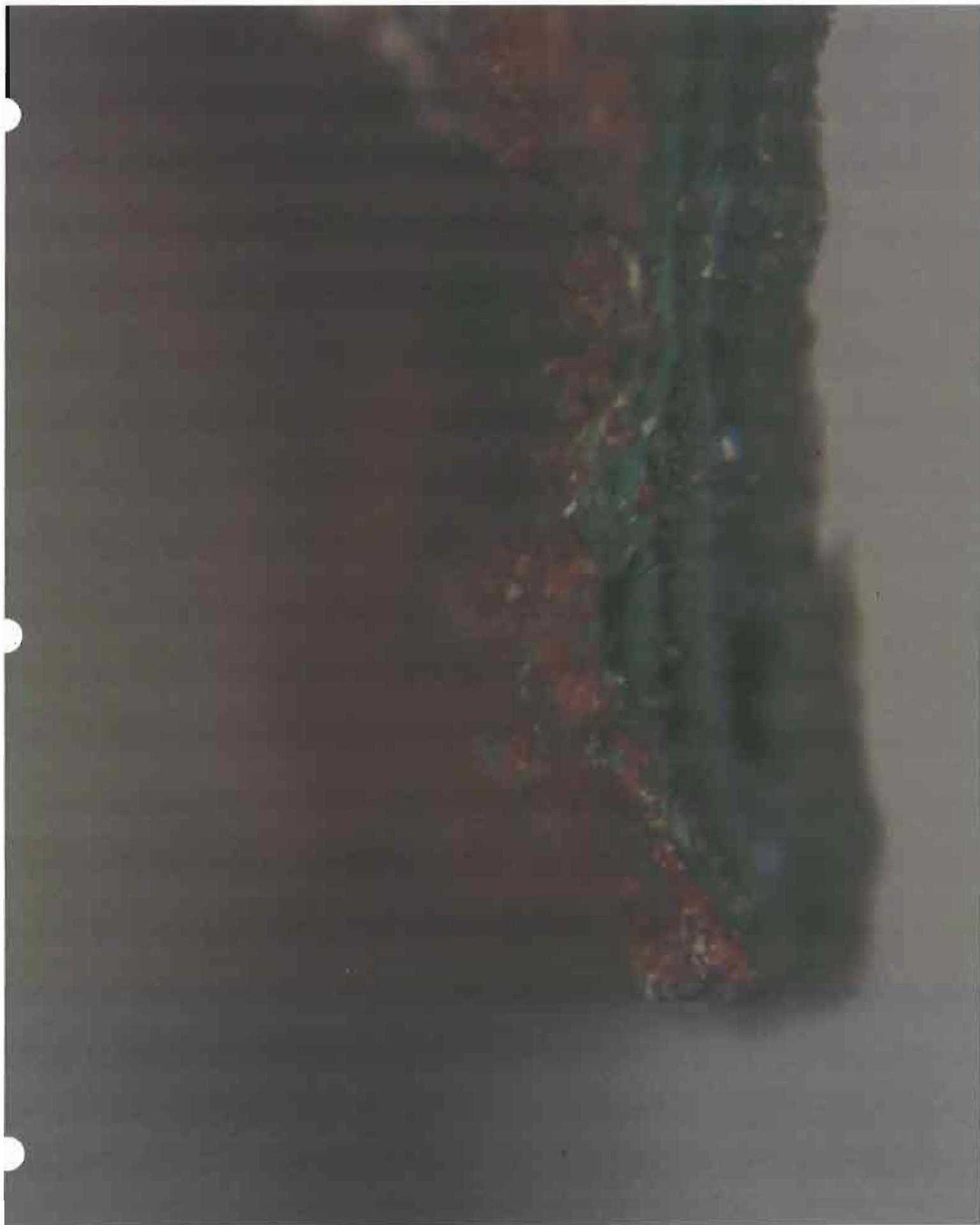








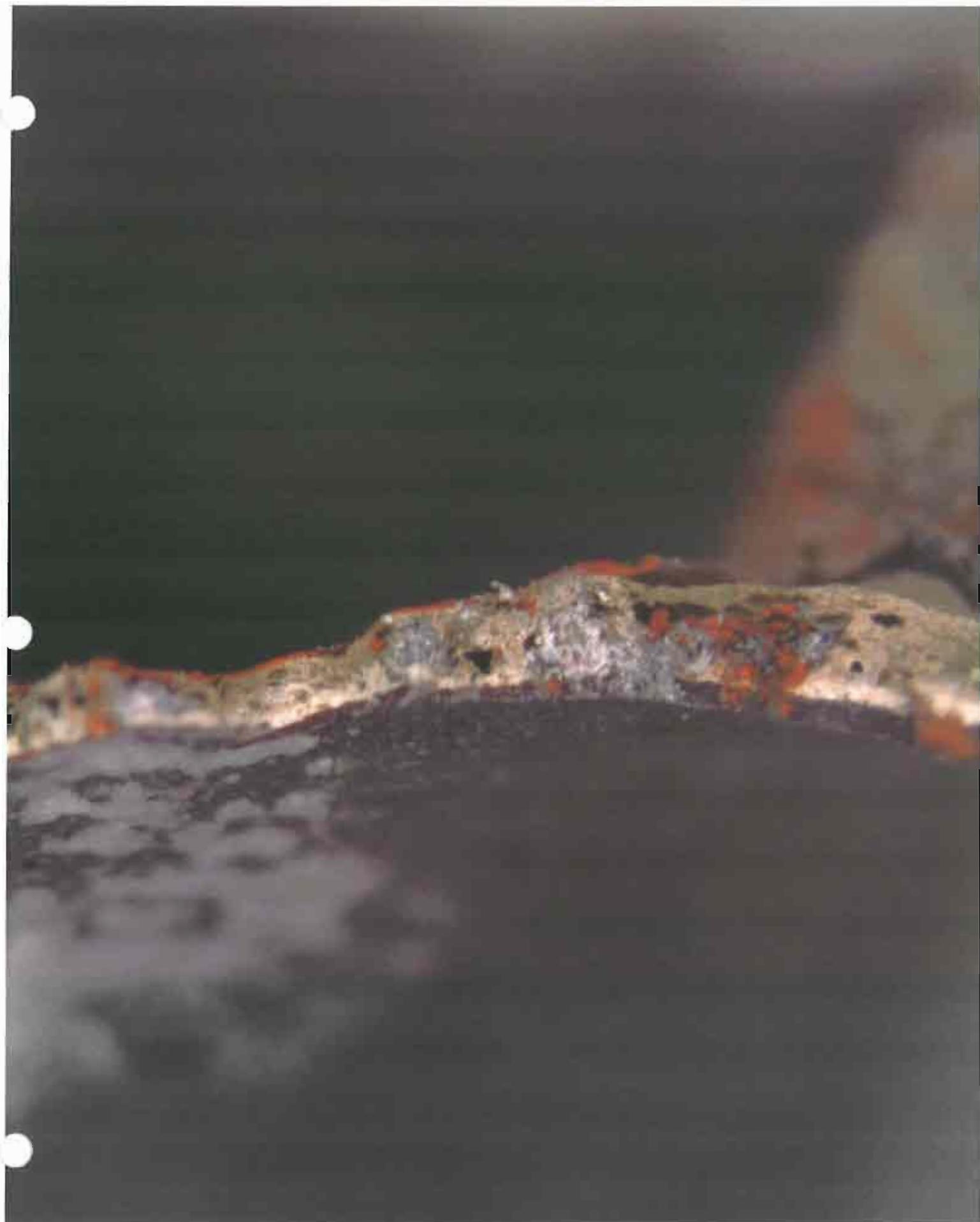


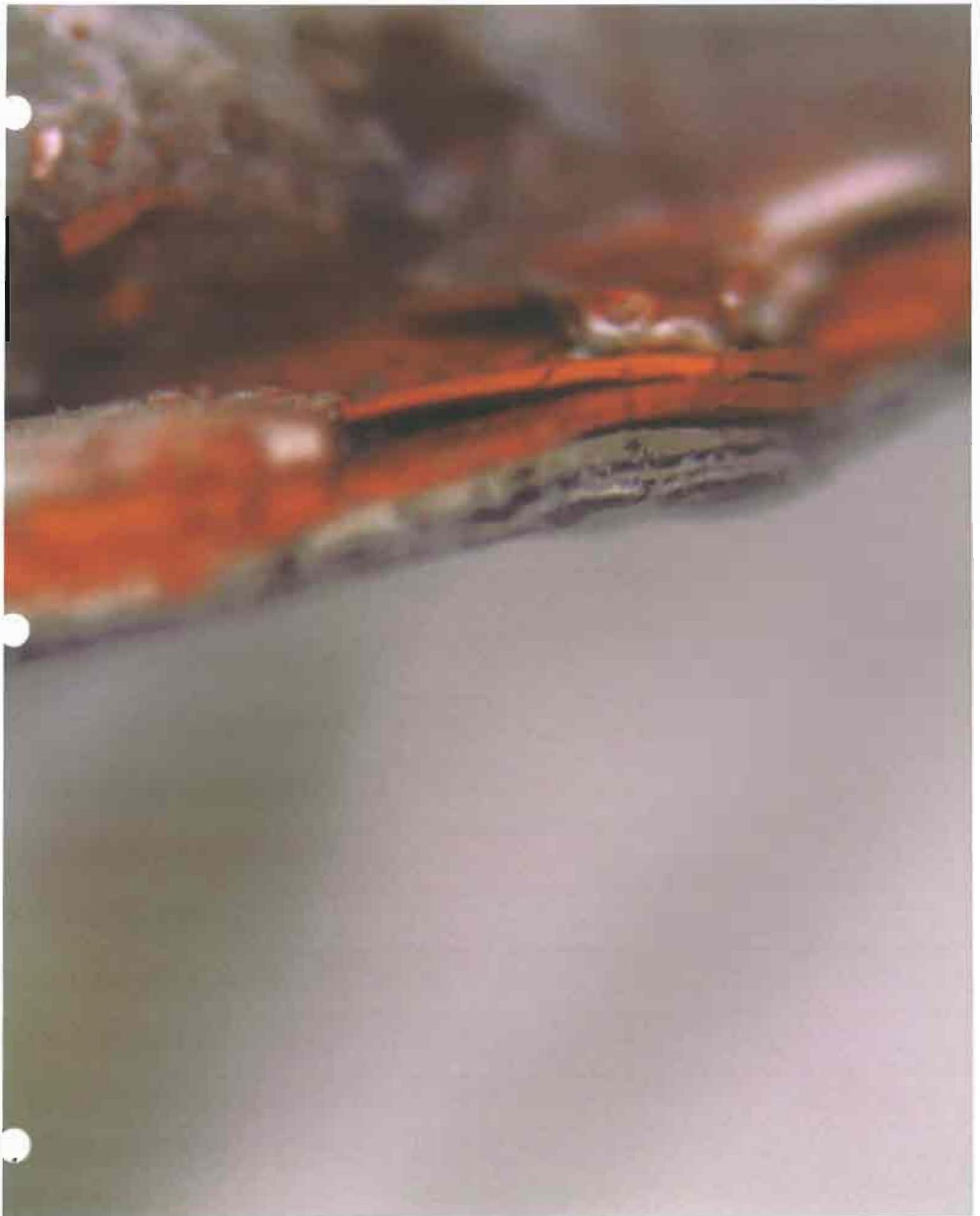


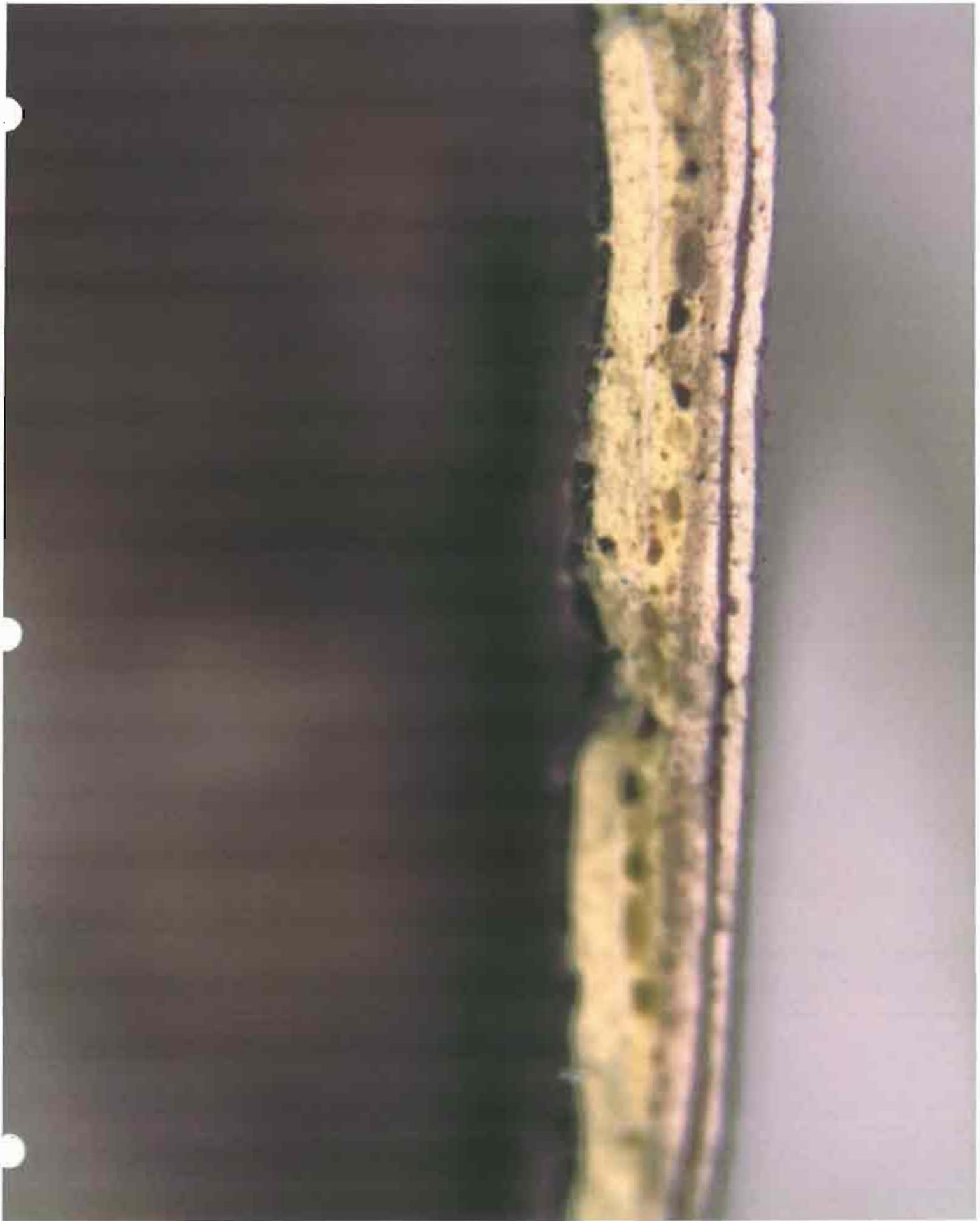




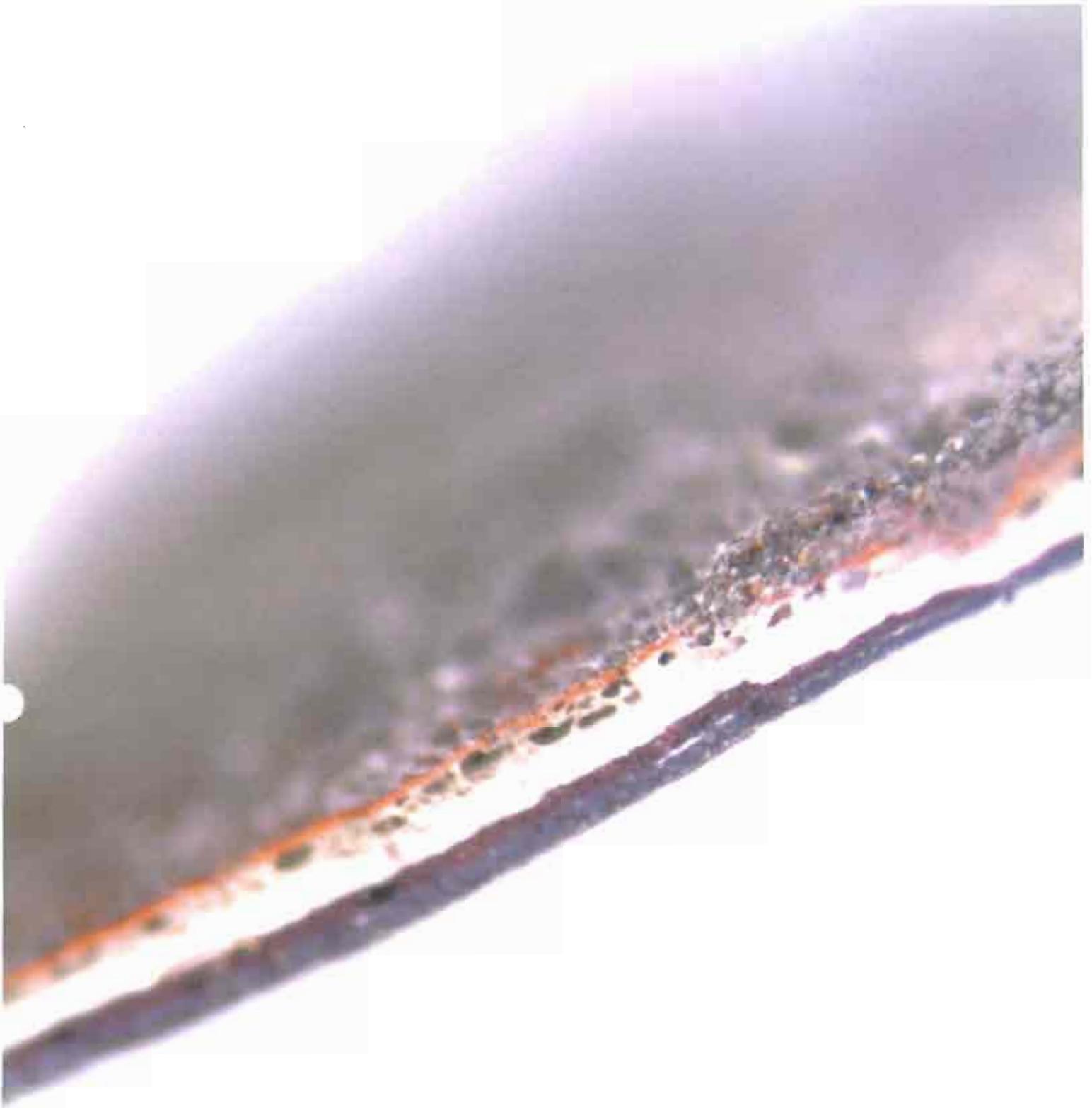


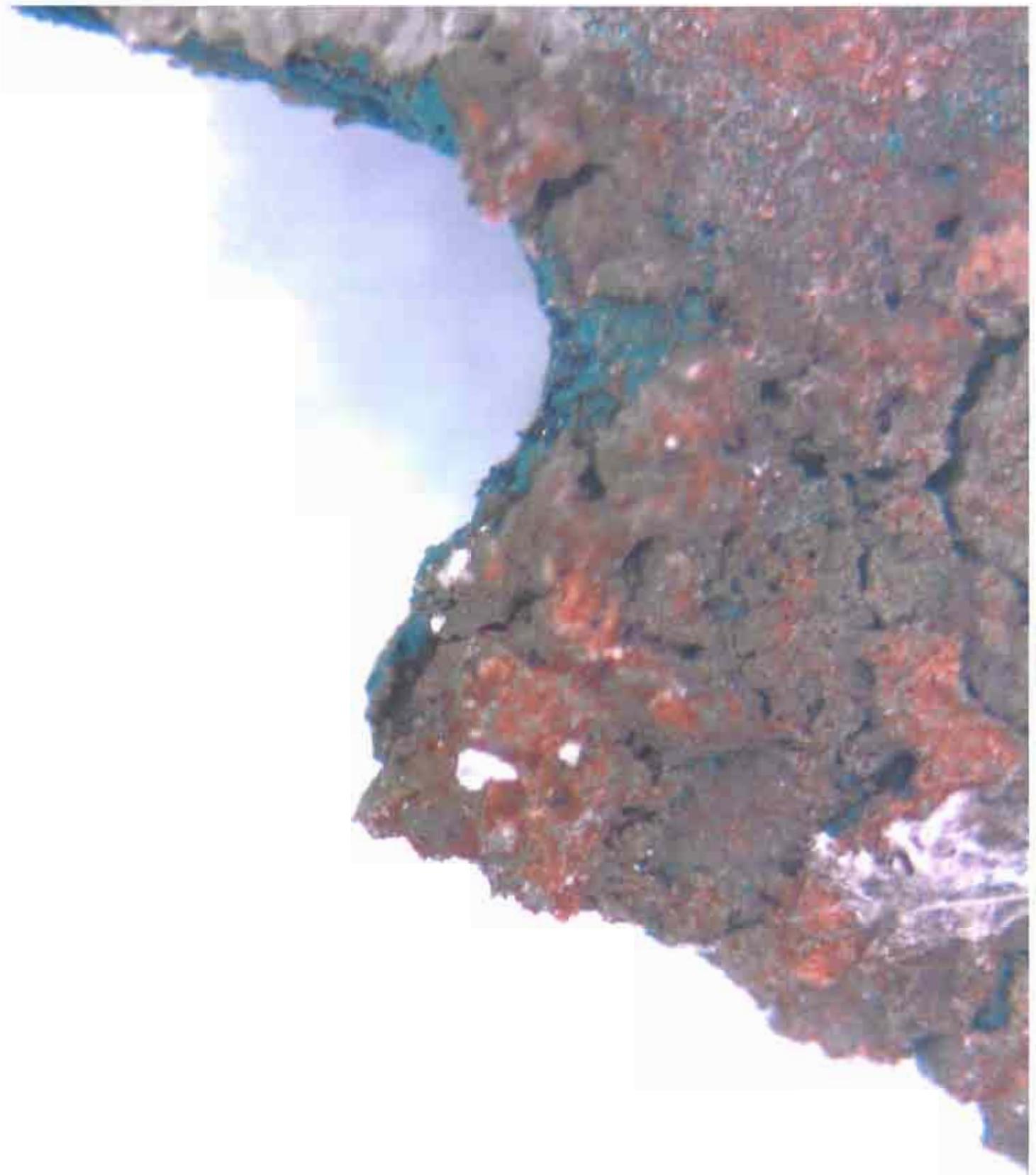




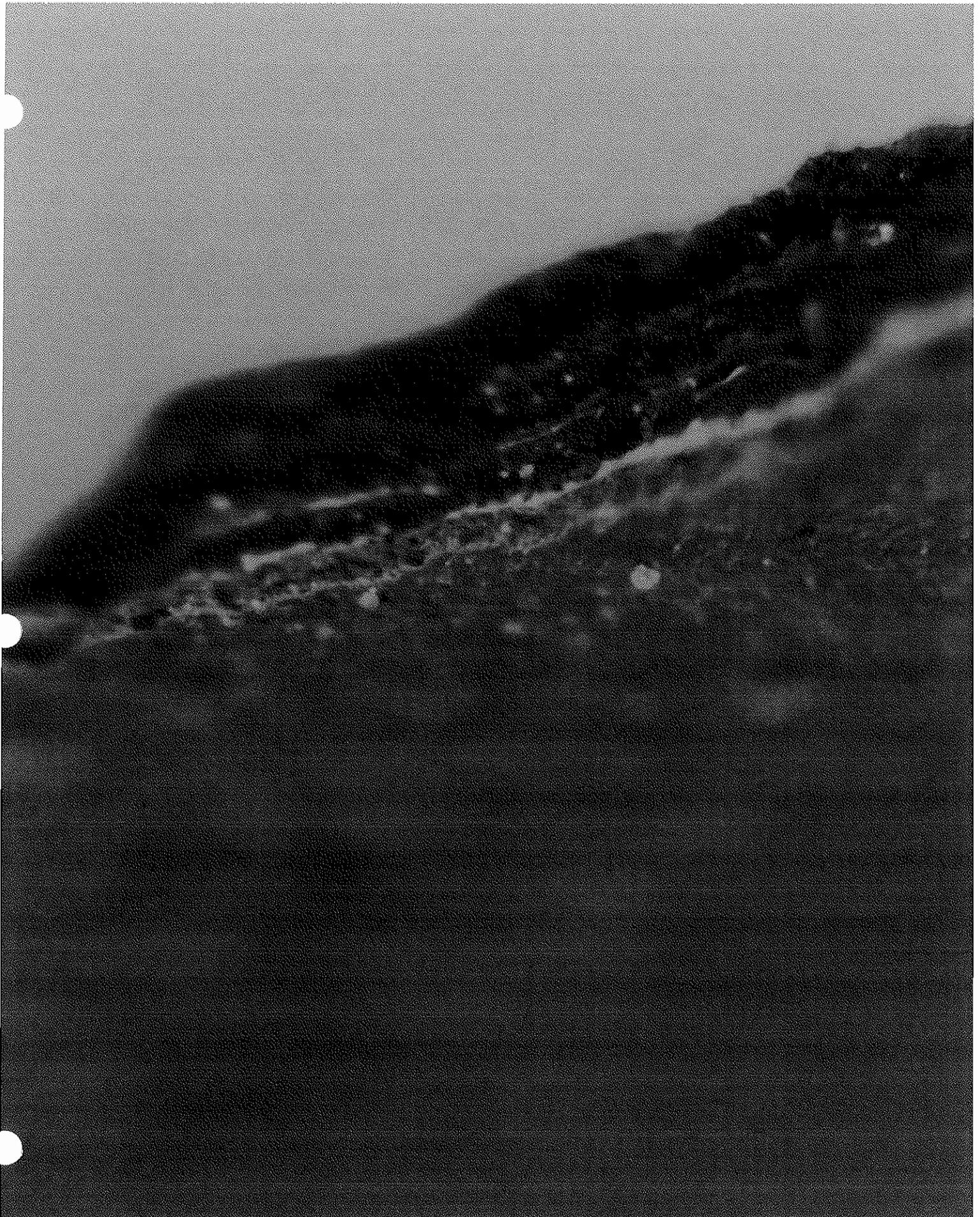


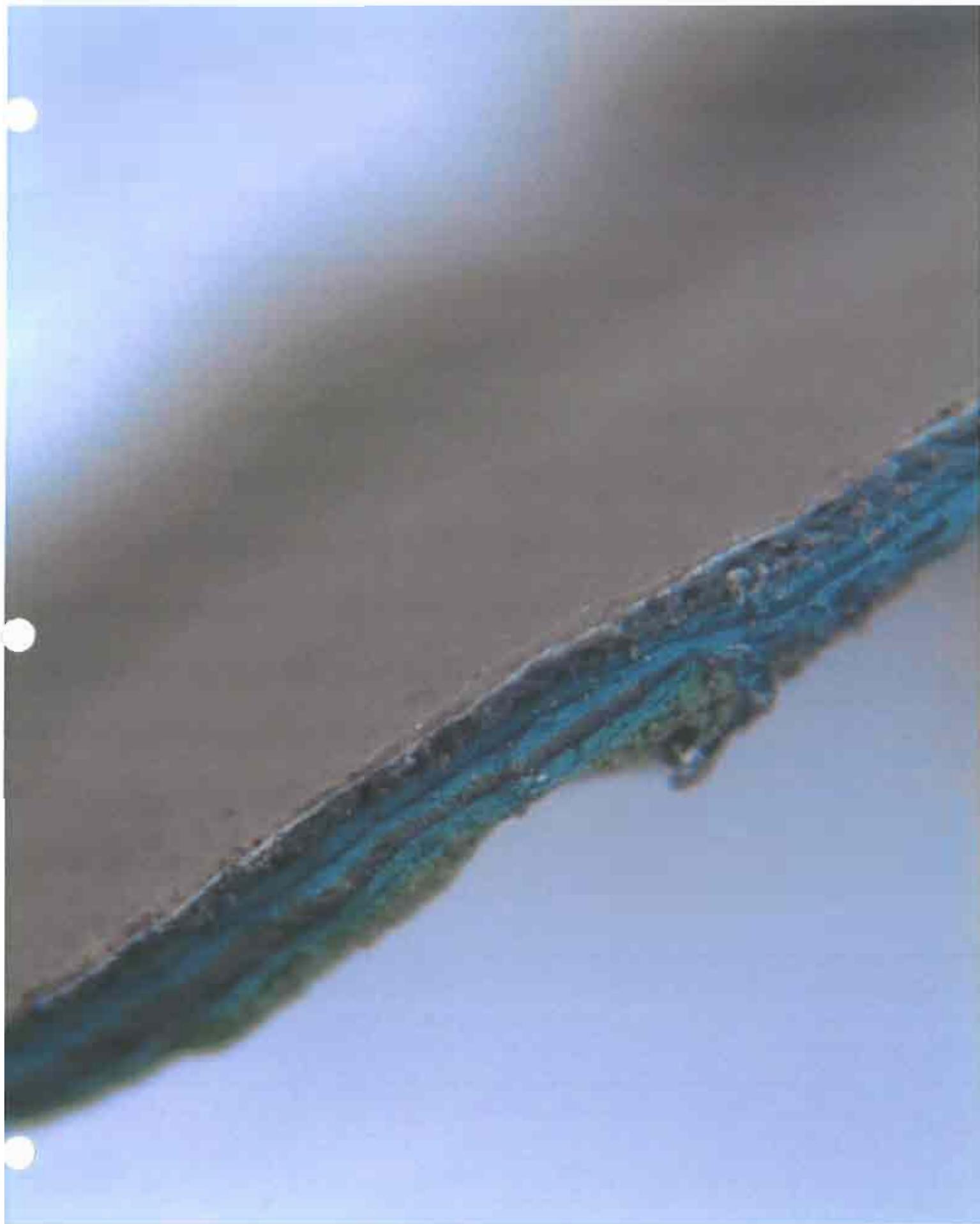


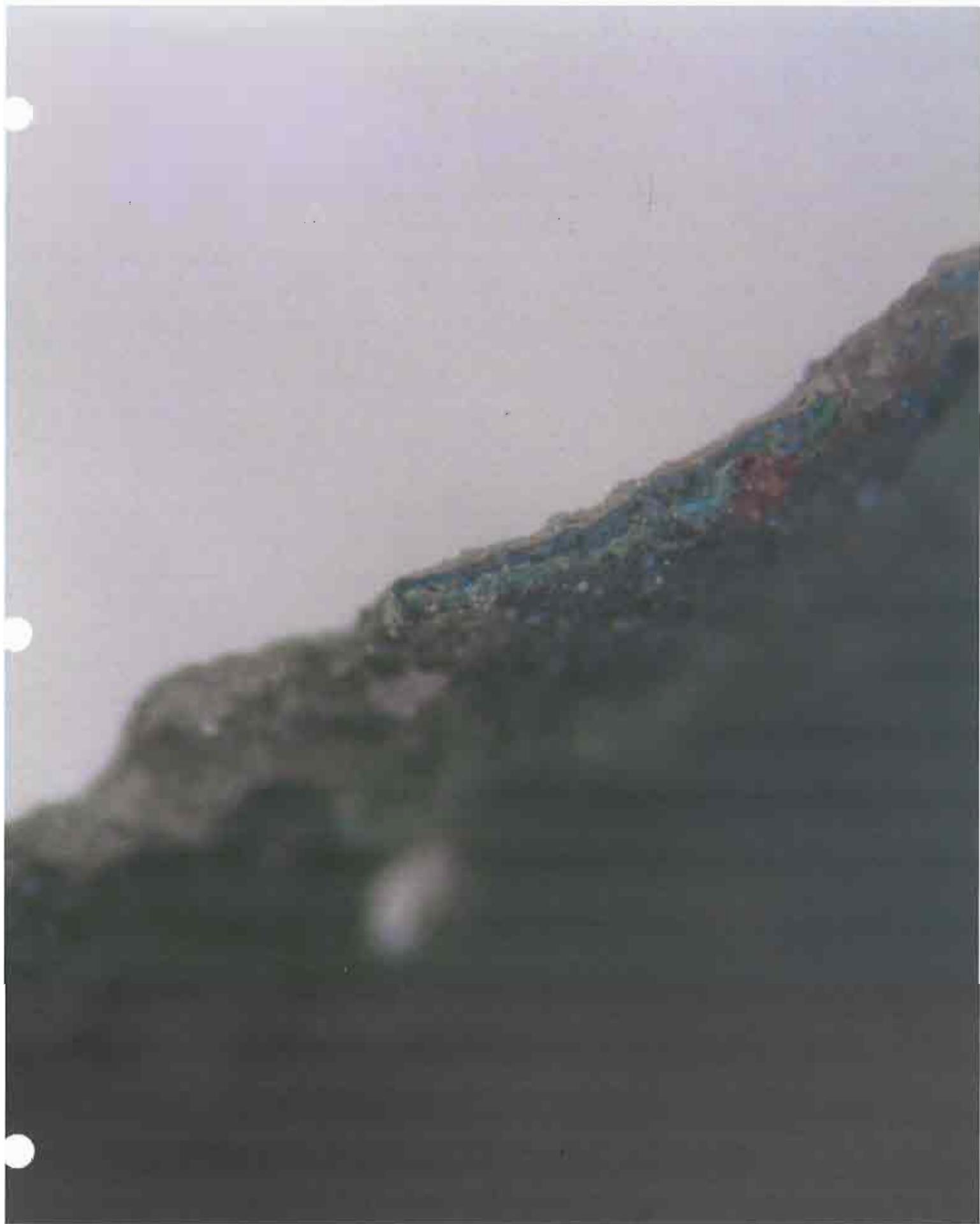












1000

