

# A Methodology for Process Identification

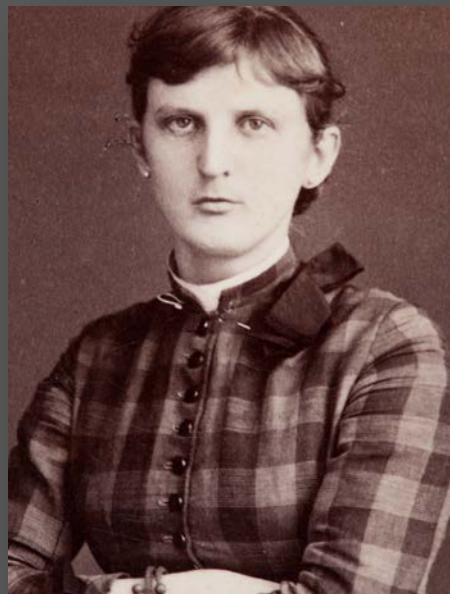
## Part 2



Image Permanence Institute  
2017-2018

## Photographic Identification Webinar #5

# Process Identification



1



2



3



4

# Methods of Looking

- Object View
- Surface View
- Magnification View



Object



Surface



Magnification



# Controlled Vocabulary

## Visual Identification Guide: IMAGE COLOR/TONE

(DUE TO DIFFERENT COMPUTER MONITORS/CALIBRATIONS COLORS MAY VARY)



LIGHT SOURCE: 45°



### BLACK



### PURPLE/RED



### BROWN



### YELLOW



### OTHER COLOR



### FULL COLOR (MAY BE MISTAKEN FOR HAND COLORED)



### HAND COLORED



The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanencelab.org>

## Visual Identification Guide: SURFACE SHEEN



LIGHT SOURCE: 0°



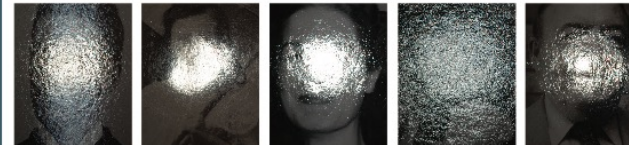
### MATTE



### SEMI-MATTE



### GLOSSY



### HIGH GLOSS



The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanencelab.org>



# Object View



## Key Identifying Features

- Primary Support
- Image Color
- Image Deterioration

# Object View

## Primary Support

- Paper
- Plastic
- Glass
- Metal
- Ceramic
- Fabric
- Leather



# Object View

## Image Color/Tone

- Black
- Purple/Red
- Brown
- Yellow
- Other Color
- Full Color
- Hand Colored

### Visual Identification Guide: IMAGE COLOR/TONE

(DUE TO DIFFERENT COMPUTER MONITORS/CALIBRATIONS COLORS MAY VARY)



Graphics  
Atlas  
www.graphicsatlas.org

#### BLACK



#### PURPLE/RED



#### BROWN



#### YELLOW



#### OTHER COLOR



#### FULL COLOR (MAY BE MISTAKEN FOR HAND COLORED)



#### HAND COLORED



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanencemuseum.org>



# Object View

## Deterioration

- Color shifting
- Highlight yellowing
- Image ghosting
- Image fading

### Visual Identification Guide: IMAGE DETERIORATION



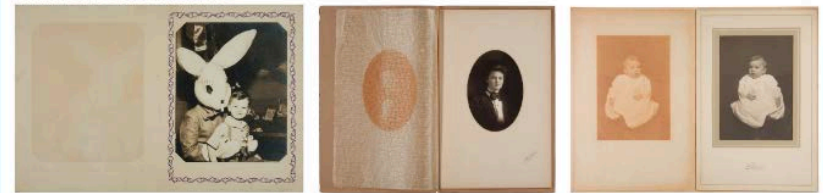
#### COLOR SHIFTING



#### HIGHLIGHT YELLOWING



#### IMAGE GHOSTING



#### IMAGE FADING



The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanencelab.org>

# Surface View

Key Identifying Feature

- Surface Sheen



# Surface View

## Visual Identification Guide: SURFACE SHEEN



Graphics  
*atlas*  
www.graphicsatlas.org

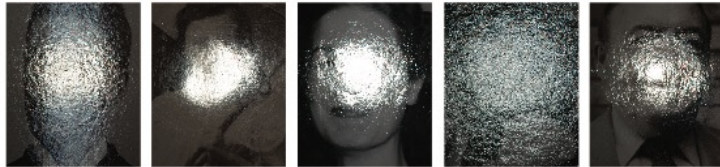
### MATTE



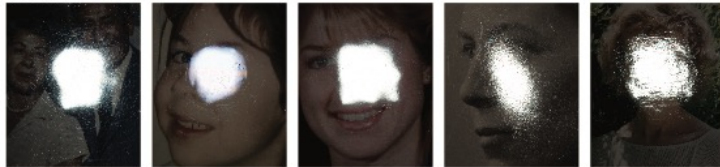
### SEMI-MATTE



### GLOSSY



### HIGH GLOSS



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanencyinstitute.org>

## Visual Identification Guide: SURFACE SHEEN

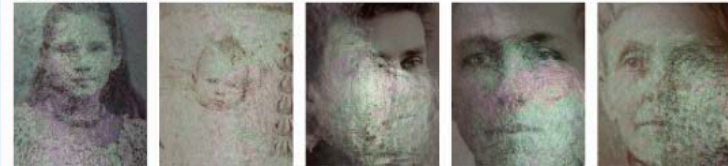


Graphics  
*atlas*  
www.graphicsatlas.org

### DIFFERENTIAL GLOSS



### IRIDESCENCE



### SILVER MIRRORING/BRONZING



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanencyinstitute.org>



# Magnification View

## Key Identifying Features

- Image Structure
- Layer Structure



# Magnification View

## Magnification Tools

- 10x loupe
- Pocket microscope
- Microscope



# Magnification View: Image Structure

## Visual Identification Guide: IMAGE STRUCTURE (AT 10X MAGNIFICATION)



Graphics  
*atlas*  
www.graphicsatlas.org

### CONTINUOUS IN TONE



### PIGMENT PARTICLES



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

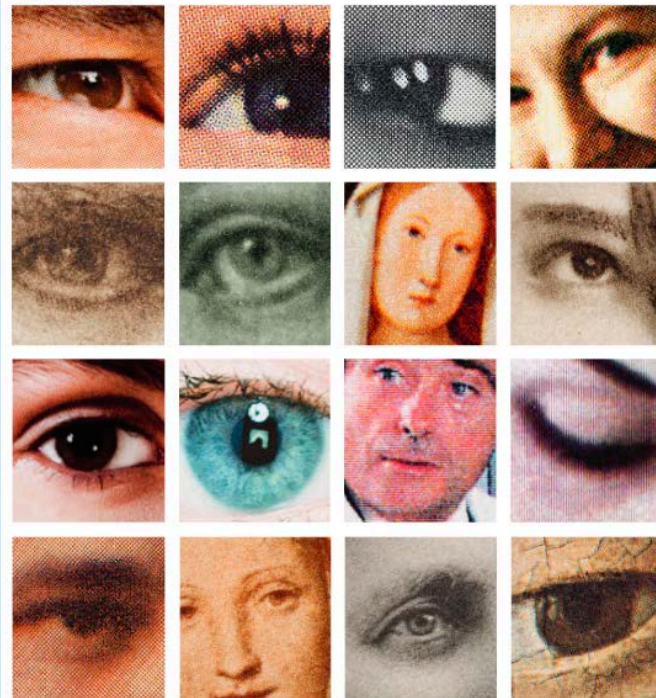
The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceinstitute.org>

## Visual Identification Guide: IMAGE STRUCTURE (AT 10X MAGNIFICATION)



Graphics  
*atlas*  
www.graphicsatlas.org

### PATTERNED




IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T


The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceinstitute.org>




# Magnification View: Image Structure

**Visual Identification Guide:**  
**IMAGE STRUCTURE**  
(AT 30X MAGNIFICATION)


 LIGHT SOURCE: 45°


 [www.graphicsatlas.org](http://www.graphicsatlas.org)

**CONTINUOUS IN TONE**




**PIGMENT PARTICLES**




 **IMAGE PERMANENCE INSTITUTE** **R·I·T**


The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceresearch.org>


**Visual Identification Guide:**  
**IMAGE STRUCTURE**  
(AT 30X MAGNIFICATION)

 LIGHT SOURCE: 45°

 [www.graphicsatlas.org](http://www.graphicsatlas.org)

**PATTERNED**





 **IMAGE PERMANENCE INSTITUTE** **R·I·T**

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceresearch.org>

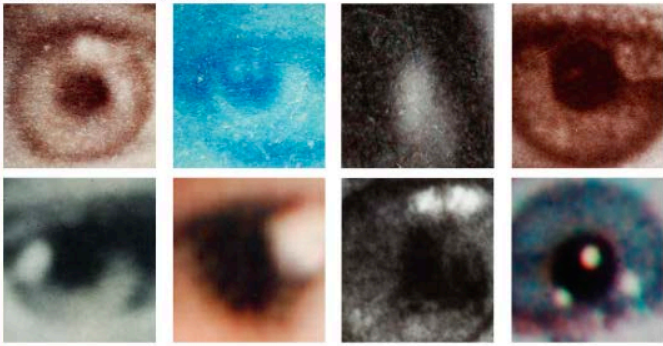
# Magnification View: Image Structure

**Visual Identification Guide:**  
**IMAGE STRUCTURE**  
(AT 50X MAGNIFICATION)

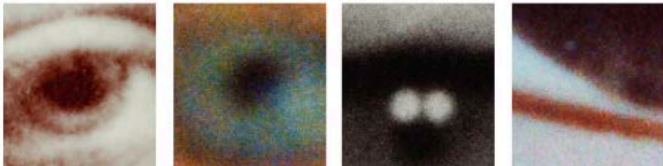
 LIGHT SOURCE: 45°

 [www.graphicsatlas.org](http://www.graphicsatlas.org)

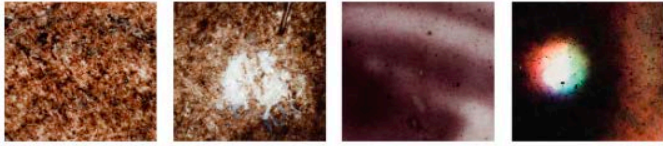
**CONTINUOUS IN TONE**




**IMAGE GRAIN**




**PIGMENT PARTICLES**




 **IMAGE PERMANENCE INSTITUTE** **R·I·T**


The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceninstitute.org>.


**Visual Identification Guide:**  
**IMAGE STRUCTURE**  
(AT 50X MAGNIFICATION)

 LIGHT SOURCE: 45°

 [www.graphicsatlas.org](http://www.graphicsatlas.org)

**PATTERNED**




 **IMAGE PERMANENCE INSTITUTE** **R·I·T**


The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceninstitute.org>.







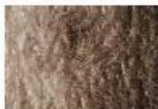



# Magnification View

**Visual Identification Guide:**  
**LAYER STRUCTURE**  
**(AT 50X MAGNIFICATION)**





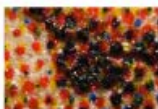



 LIGHT SOURCE: 90°

 [www.graphicsatlas.org](http://www.graphicsatlas.org)

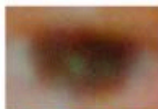

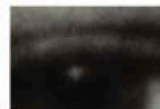




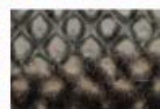
**IMAGE IN/ON PAPER FIBERS (PAPER FIBERS VISIBLE)**

<b>IN</b>				
<b>ON</b>				

**IMAGE ABOVE PAPER FIBERS, IN BINDER/ON COATING (PAPER FIBERS VISIBLE)**

<b>IN</b>				
<b>ON</b>				

**IMAGE IN BINDER/ON COATING (PAPER FIBERS OBSCURED)**

<b>IN</b>				
<b>ON</b>				

**IPI IMAGE PERMANENCE INSTITUTE R·I·T**


The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of image and cultural property. Visit us online at: <http://www.imagepermanenceninstitute.org>



# Layer Structure







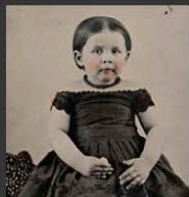
# Methods of Looking

IMAGE PERMANENCE INSTITUTE  
[Feedback](#) | [Tutorials & Support](#)

[Home](#) | [Guided Tour](#) | [Compare](#) | [Identification](#) | [Picture of the Week](#)

*Graphics Atlas is a sophisticated resource that presents a unique, object-based approach for the identification and characterization of prints and photographs.*


FEATURED OBJECTS:



[browse all 219 objects in the collection »](#)

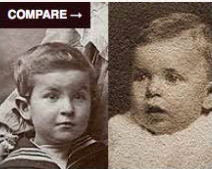
BEGIN EXPLORING OUR STUDY COLLECTION BY SELECTING THE FOLLOWING TOOLS:

**START →**




**Guided Tour**  
Take a tour through individual prints in a virtual study collection that contains processes ranging from woodcut to modern inkjet prints.

**COMPARE →**



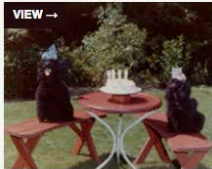
**Compare**  
Compare traits between processes using views made with a variety of lighting techniques and magnifications.

**IDENTIFY →**



**Identification**  
Learn the key identifying characteristics of each process. These pages contain information on how to identify print processes.

**VIEW →**



**Picture of the Week**  
Sign up for a weekly email highlighting an interesting picture from our collection.

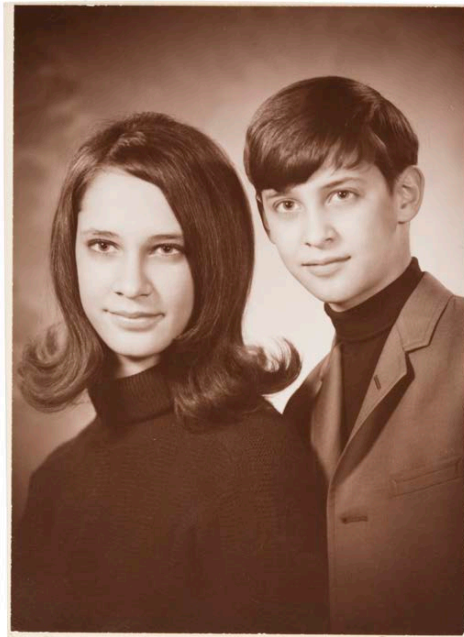
[Subscribe](#)

www.graphicsatlas.org

# Object Examples



1



2



3

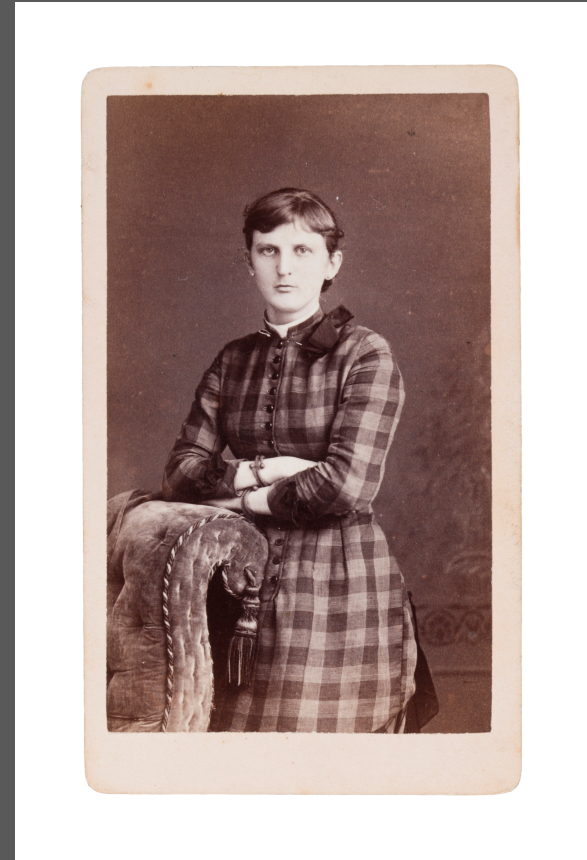


4



# Object View

- Primary Support
- Image Color
- Image Deterioration



# Object View



# Object View

## Visual Identification Guide: IMAGE COLOR/TONE

(DUE TO DIFFERENT COMPUTER MONITORS/CALIBRATIONS COLORS MAY VARY)



Graphics  
satlas  
www.graphicsatlas.org

### BLACK



### PURPLE/RED



### BROWN



### YELLOW



### OTHER COLOR



### FULL COLOR (MAY BE MISTAKEN FOR HAND COLORED)



### HAND COLORED



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceninstitute.org>





# Object View

- Image Deterioration
  - Image Fading
  - Highlight Yellowing



# Surface View

- Surface Sheen





# Surface View

## Visual Identification Guide: SURFACE SHEEN



Graphics  
atlas  
www.graphicsatlas.org

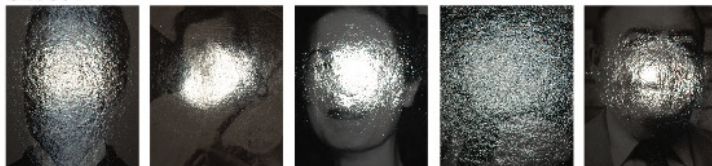
### MATTE



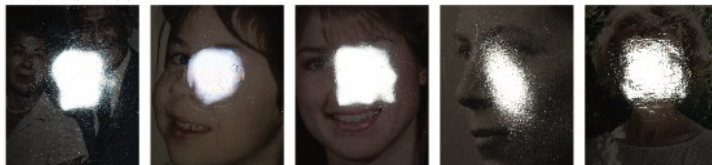
### SEMI-MATTE



### GLOSSY



### HIGH GLOSS



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceninstitute.org>





# Magnification View

- Image Structure



# Magnification View



50x, even illumination

**Visual Identification Guide:**  
**IMAGE STRUCTURE**  
(AT 50X MAGNIFICATION)

Graphics *atlas*  
www.graphicsatlas.org

LIGHT SOURCE: 45°

**CONTINUOUS IN TONE**


**IMAGE GRAIN**


**PIGMENT PARTICLES**


**IPI** **IMAGE PERMANENCE INSTITUTE** **R·I·T**

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of image and cultural property. Visit us online at: <http://www.imagepermanenceinstitute.org>



# Magnification View

## Visual Identification Guide: LAYER STRUCTURE (AT 50X MAGNIFICATION)



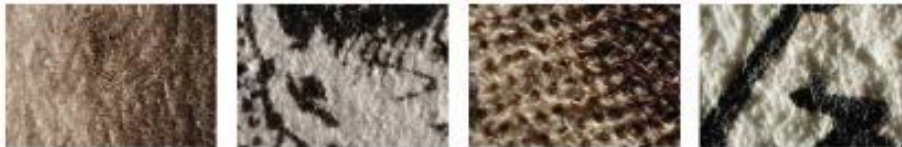
Graphics  
*atlas*  
www.graphicsatlas.org

### IMAGE IN/ON PAPER FIBERS (PAPER FIBERS VISIBLE)

IN

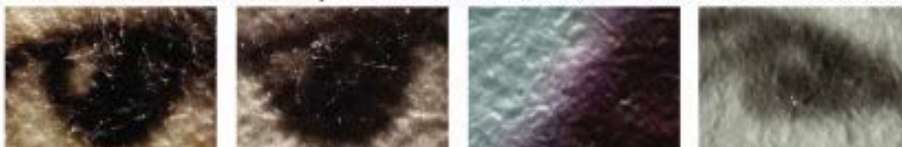


ON

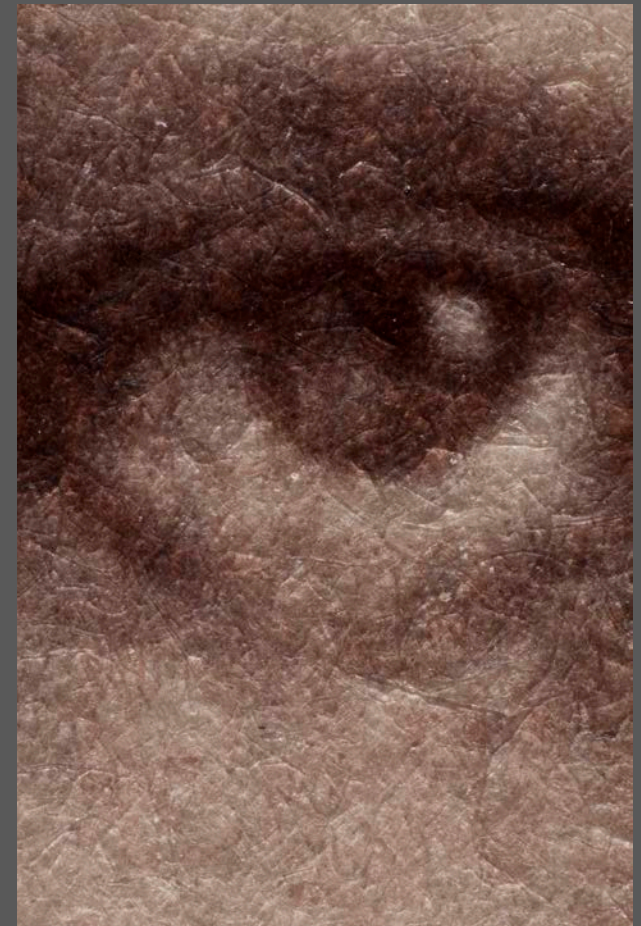


### IMAGE ABOVE PAPER FIBERS, IN BINDER/ON COATING (PAPER FIBERS VISIBLE)

IN



ON



50x, raking light



# Object View

## Visual Identification Guide: IMAGE COLOR/TONE

(DUE TO DIFFERENT COMPUTER MONITORS/CALIBRATIONS COLORS MAY VARY)



Graphics  
satlas  
www.graphicsatlas.org

### BLACK



### PURPLE/RED



### BROWN



### YELLOW



### OTHER COLOR



### FULL COLOR (MAY BE MISTAKEN FOR HAND COLORED)



### HAND COLORED



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceninstitute.org>



# Surface View

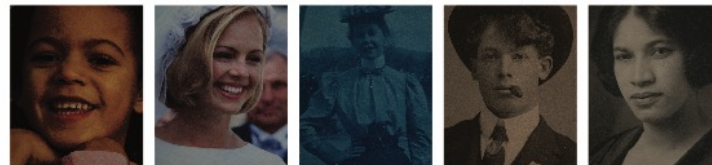


## Visual Identification Guide: SURFACE SHEEN



Graphics  
*atlas*  
www.graphicsatlas.org

### MATTE



### SEMI-MATTE



### GLOSSY



### HIGH GLOSS

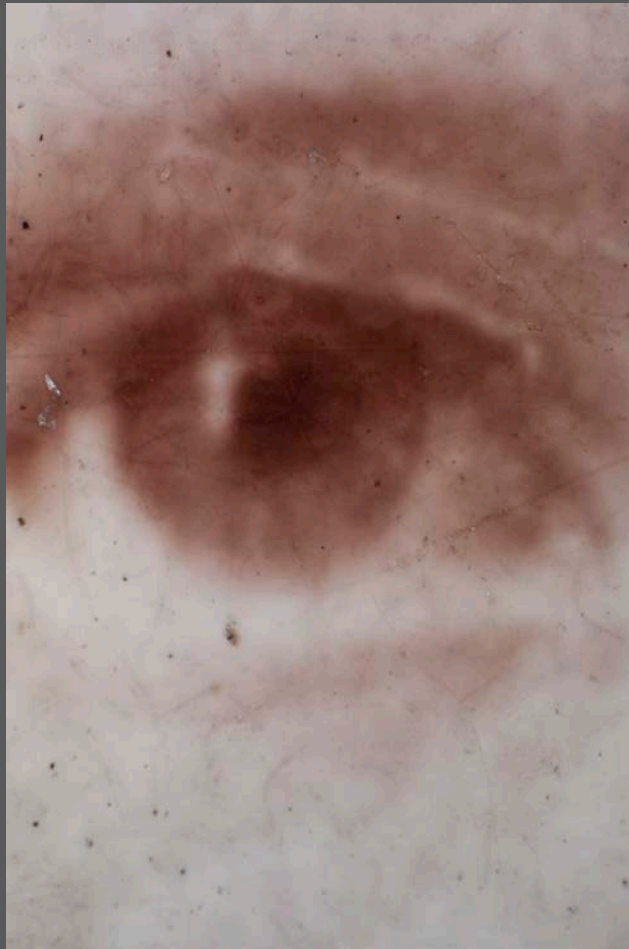


IPI IMAGE PERMANENCE INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceinstitute.org>





# Magnification View



50x, Even illumination

**Visual Identification Guide:**  
**IMAGE STRUCTURE**  
(AT 50X MAGNIFICATION)

 LIGHT SOURCE: 45°



**CONTINUOUS IN TONE**


**IMAGE GRAIN**

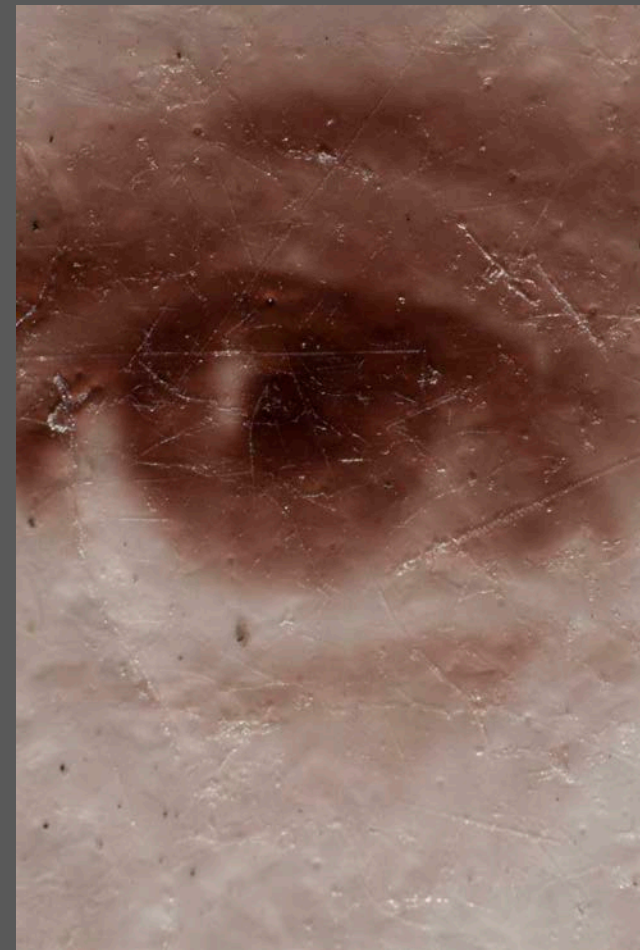
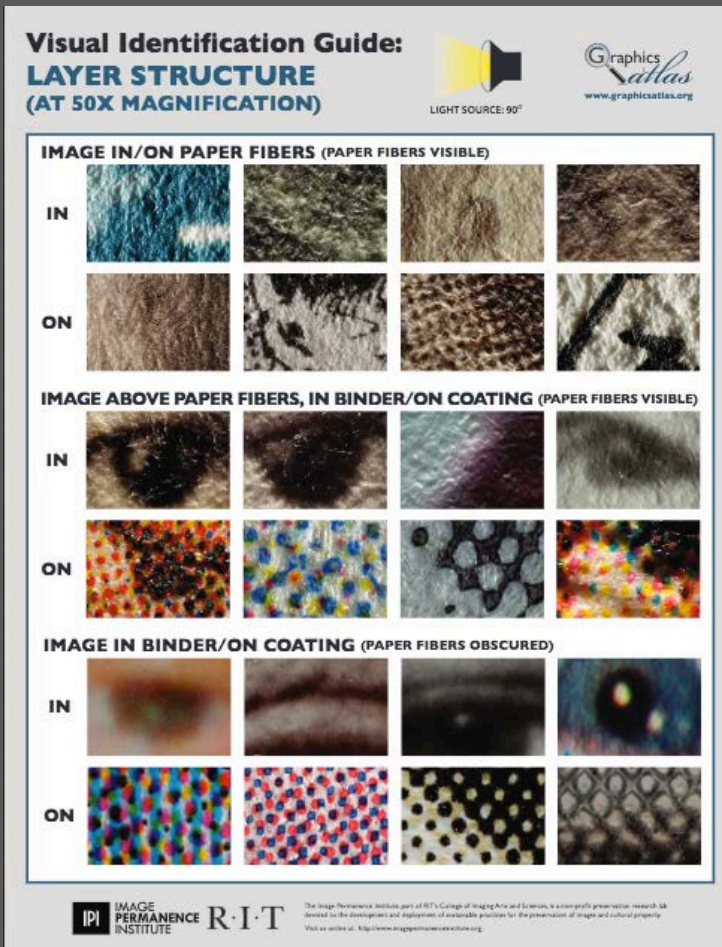

**PIGMENT PARTICLES**


**IPI IMAGE PERMANENCE INSTITUTE R·I·T**

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceinstitute.org>



# Magnification View



50x, Raking light

# Object View

## Visual Identification Guide: IMAGE COLOR/TONE

(DUE TO DIFFERENT COMPUTER MONITORS/CALIBRATIONS COLORS MAY VARY)



Graphics  
*atlas*  
www.graphicsatlas.org

### BLACK



### PURPLE/RED



### BROWN



### YELLOW



### OTHER COLOR



### FULL COLOR (MAY BE MISTAKEN FOR HAND COLORED)



### HAND COLORED



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceninstitute.org>





# Surface View

## Visual Identification Guide: SURFACE SHEEN



Graphics  
*atlas*  
www.graphicsatlas.org

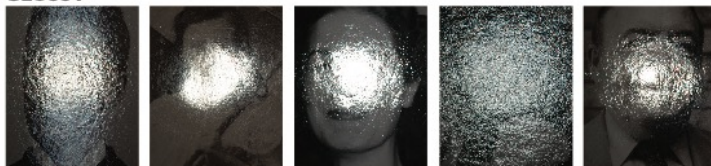
### MATTE



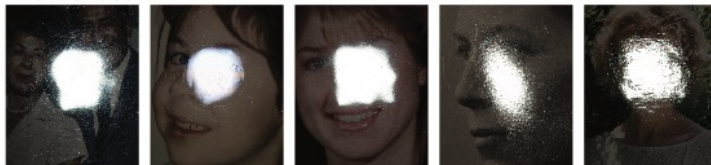
### SEMI-MATTE



### GLOSSY



### HIGH GLOSS



IPI IMAGE  
PERMANENCE  
INSTITUTE R·I·T

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceresearch.org>







# Magnification View





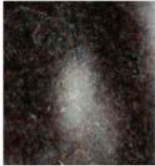


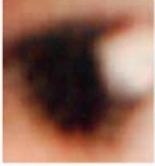

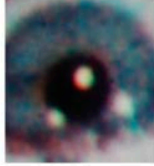
50x, Even illumination

**Visual Identification Guide:**  
**IMAGE STRUCTURE**  
(AT 50X MAGNIFICATION)


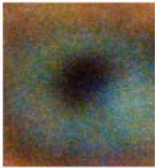

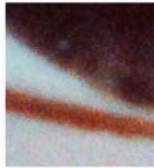


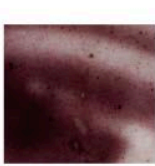
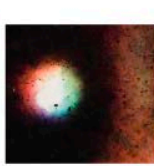
 LIGHT SOURCE: 45°











**CONTINUOUS IN TONE**


			
			

**IMAGE GRAIN**

**PIGMENT PARTICLES**


			
			


 **IMAGE PERMANENCE INSTITUTE** **R·I·T**

The Image Permanence Institute, part of RIT's College of Imaging Arts and Sciences, is a non-profit preservation research lab devoted to the development and deployment of sustainable practices for the preservation of images and cultural property. Visit us online at: <http://www.imagepermanenceinstitute.org>









# Magnification View

**Visual Identification Guide:**  
**LAYER STRUCTURE**  
**(AT 50X MAGNIFICATION)**





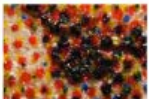



 LIGHT SOURCE: 90°

 www.graphicsatlas.org

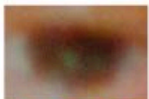

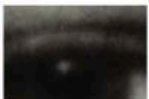




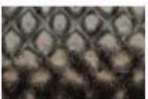
**IMAGE IN/ON PAPER FIBERS (PAPER FIBERS VISIBLE)**


IN				
ON				

**IMAGE ABOVE PAPER FIBERS, IN BINDER/ON COATING (PAPER FIBERS VISIBLE)**

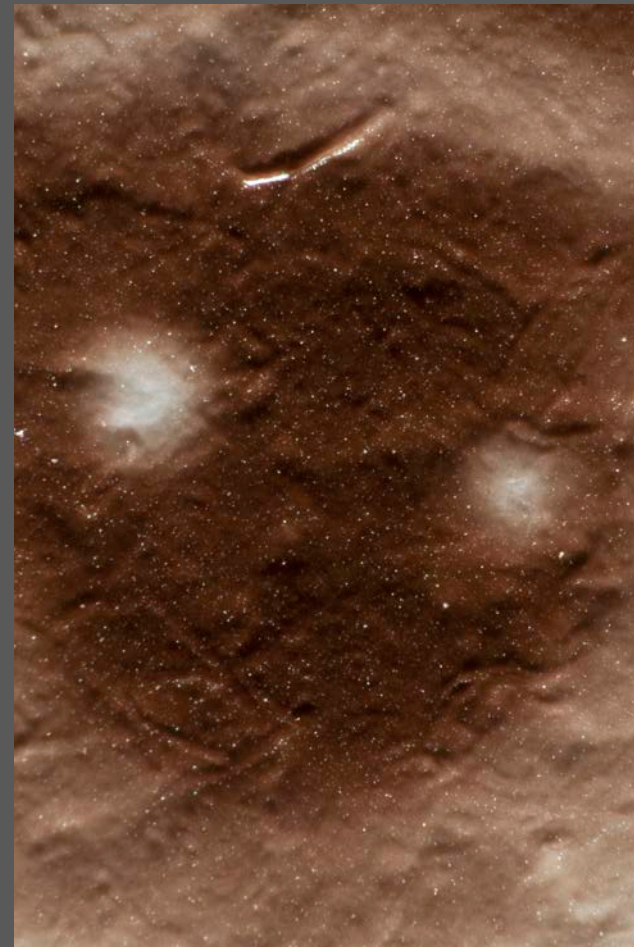
IN				
ON				

**IMAGE IN BINDER/ON COATING (PAPER FIBERS OBSCURED)**

IN				
ON				

 **IMAGE PERMANENCE INSTITUTE** **R-I-T**

The Image Permanence Institute (part of RIT's College of Imaging Arts and Sciences) is a non-profit preservation research lab devoted to the development and refinement of sustainable practices for the preservation of image and cultural property. Visit us online at: <http://www.imagepermanenceinstitute.org>



50x, Raking light

# Survey & Thank You

Thank you!

- National Endowment for the Humanities Division of Preservation and Access
- The Andrew W. Mellon Foundation

Next Webinar

- Wednesday, February 14, 2:00pm EST
- Using Identification to Improve Collection Preservation and Access

Survey!

- A brief survey will appear at the end, please give us feedback!