Title
Mill Creek Township, Winton Place, St. Peters Lick Run - individual map
Page 50-51 of larger atlas; Titus' atlas of Cincinnati and Hamilton County, Ohio 1869: From Actual Surveys by R.H. Harrison C.E.

Author
Map engraved by Worley & Bracher, Printed by F. Bourquin.

DESCRIPTION:

General Remarks
This is a fold out map that was once part of a larger atlas. Evidence of this is apparent from the adhered stubbing on the back of the map's fold. Also, printed page numbers 50 and 51 are located in the upper fore edge corners. Other copies of the map have been digitized and can be viewed online. The version located online at http://www.historicmapworks.com appears to be digitally enhanced with white paper tones and bright hand coloring. The digital online copy at LUNA* within the David Rumsey Map Collection is a depiction of a "true to life" color balance and shows the map within a binding. This website describes the map as a lithograph. Examination under magnification reveals the Public Library's copy to most likely be an etching.


Binding
The binding is lost.

Textblock
The textblock is lost. Rather, this is a single sheet of paper folded in half to form a two-leaf foldout map. The second leaf contains an adhered paper stub that was originally used to sew the map into a textblock.

Primary Support
The map is printed on a light beige machine made wove paper.

Medium
This is most likely a copper plate etching printed in black ink with pink, yellow, blue, green, orange, and purple hand coloring.

Attachments | Inserts
The stubbing on the verso of the map is adhered overall on the verso along the fold.

Housing
N/A

CONDITION:

Summary
The map is in poor condition. It is embrittled from inherently acidic machine made paper.
Primary Support
The paper has discolored overall from light beige to light brown. In addition, the paper is coated in dirt, especially around the edges. The paper edges are friable with numerous areas of loss and tears, however the tears and losses are isolated to the margins. The fold along the center of the map is torn halfway through the sheet, beginning at the left side. It is in danger of further tearing or becoming fully detached if not carefully handled. Because the map was originally stored folded there is dark staining on the front from ink offsetting.

Medium
The black printed ink and hand coloring is in excellent condition with no apparent signs of fading, however, since the paper substrate is discolored the hand coloring does not appear as bright as it would have originally.

Housing

Housing Narrative
The clear film folder is dirty with what appears to be marker smears.

Attachments | Inserts
N/A

Previous Treatment
The map has been removed from an atlas.

Materials Analysis
All of the hand-painted colors were found to be insoluble in water during a blotter transfer test. A droplet of water was brushed onto each color and blotted away after 15, 30, and 60 seconds with no transfer. However, the hand coloring was found to easily lift during surface cleaning tests with a vinyl eraser.

TREATMENT:

Proposal
Preliminary work completed: Photographed as received. Examined and tested media. Researched Cincinnati cartography in order to find the publisher, printer, and engraver of the map. Prepared report.

Recommended treatment:
1. Photograph before and after treatment with a DSLR camera to document condition.
2. Dry surface clean the recto and verso of the paper to lift off dirt from the paper, especially around the edges.
3. Repair tears in the paper and fill losses as needed in preparation for exhibition.
4. Mount the map to acid free mat board with hinges; over-mat with a single window.

Housing Need
Custom

Factors Influencing Treatment
Due to metal inclusions in the paper, washing the map is not recommended in order to prevent staining from corrosion in these areas.
Performed Treatment

1. The map was photographed before and after treatment with a DSLR camera to document changes in condition. [AS 4.5 hrs]
2. The recto and verso of the paper was dry surface cleaned overall with Absorbene smoke sponges. The unprinted voids of the map on the recto were further cleaned with vinyl eraser crumbs and vinyl block erasers to lift off dirt from the paper. Printed areas of the map were avoided to protect the hand coloring from lifting. [AS 4 hrs]
3. Tears in the paper were repaired on the verso with Uso Mino tissue that was toned with Golden Acrylics. The repairs were adhered with Zen Shofu wheat starch paste. [AS 3.5 hrs]
4. Loose fragments were realigned and attached to the kozo repair tissue with wheat starch paste. Losses in the paper were filled along the edges with Sekishu kozo tissue that was toned with Golden Acrylics. [AS 8 hrs]
5. Fills were toned with Prismacolor colored pencils and Schmincke pastels to blend with the surrounding area of paper. [AS 2 hrs]
6. The map was humidified in a cold humidity chamber for 45 minutes and placed in between Hollytex and blotters in a pressing stack over the weekend to dry flat. [AS 0.25 hrs]
7. A sheet of 100% rag mat board was cut 6 inches longer and wider than the map paper. The map was mounted to the acid free mat board with wheat starch paste and Uso Mino T-hinges. An over-mat was cut with a 2 1/2 inch frame along the top and sides and 3 inch wide frame at the bottom. The over-mat was attached to the lower mat with a Tyvek tape hinge. [AS 2.75 hrs]
8. To protect the maps during transport, a temporary housing was constructed out of cardboard and archival wrapping paper. [AS 0.25 hrs]

Housing Provided

Custom

Housing Narrative

A custom mat was created out of Rising museum mat board. Because this map was selected for exhibition in the new Clifton Branch, it will be taken to be professionally framed with UV filtered glazing.

Storage Recommendations and Handling notes

Hand colored pigments, such as the ones found in this map, are prone to fading when exposed to light. Frame with a UV coated Plexiglas or glass, and exhibit the piece on a wall that receives indirect sunlight to protect the map colors from quickly fading.

TOTAL Treatment Time

23.25 hours