The Conservation and Management of the Tomb of Tutankhamen (KV 62)

A Project Bibliography

Edited by Lori Wong
The Conservation and Management of the Tomb of Tutankhamen (KV 62)

A PROJECT BIBLIOGRAPHY

Edited by Lori Wong

THE GETTY CONSERVATION INSTITUTE
LOS ANGELES
The Getty Conservation Institute works internationally to advance conservation practice in the visual arts—broadly interpreted to include objects, collections, architecture, and sites. The GCI serves the conservation community through scientific research, education and training, model field projects, and the dissemination of the results of both its own work and the work of others in the field. In all its endeavors, the GCI focuses on the creation and delivery of knowledge that will benefit the professionals and organizations responsible for the conservation of the world’s cultural heritage.
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ACKNOWLEDGEMENTS

Thanks are due to Neville Agnew, Principal Project Specialist, and project co-director with Jeanne Marie Teutonico, Associate Director, Programs, for review of the bibliography. The continuing development of the Tutankhamen project bibliography has been undertaken with the assistance of Gail Ostergren, Research Associate, Megan Salas, undergraduate intern (2012), Amarilli Rava, graduate intern (2010-2011), Stephen Rickerby, GCI consultant, and Jen Porter, Associate Project Specialist. Cameron Trowbridge, Manager of the GCI Information Center, and Anna Duer, Research Assistant, were responsible for the technical coordination of the bibliographic database.
INTRODUCTION

Project Overview

The Getty Conservation Institute (GCI) and Egypt's Ministry of State for Antiquities (MSA) are collaborating on the conservation and management of the Tomb of Tutankhamen (KV 62) in the Valley of the Kings. The project follows a values-based methodology where the archaeological, historic, artistic values and significance of the tomb guide conservation and management decisions.

The objectives of the project are to:

- Establish an accurate record of the present condition of the tomb and its wall paintings
- Establish the causes of deterioration of the wall paintings through a comprehensive program of visual examination, condition monitoring, and scientific investigation
- Ascertain the nature and causes of the brown spots found on the wall paintings and whether they pose a continuing risk to the wall paintings
- Study the environmental conditions of the tomb and its exterior macroclimate
- Assess the physical and environmental impact of visitors on the preservation of the tomb and establish safe visitation parameters
- Assess the geological and hydrological threats to the tomb
- Design and implement a conservation program for the tomb and its wall paintings based on diagnosis of deterioration and its causes and treatment testing and evaluation
- Create and implement a long-term condition monitoring plan for the wall paintings
- Enhance the interpretation and presentation of the tomb
- Provide training opportunities for SCA staff in all aspects of the project, from planning through treatment of the wall paintings
- Disseminate the results of the work and the information resulting from it.

For more information on the Tutankhamen project, see [http://www.getty.edu/conservation/our_projects/field_projects/tut/index.html](http://www.getty.edu/conservation/our_projects/field_projects/tut/index.html)
**Project Components**

The project is divided into three phases. During the first phase (2009–2011), work encompassed background research and assessment, the preparation of an accurate record of the condition of the tomb and its wall paintings, the scientific analysis of materials and techniques of the paintings, study of environmental conditions, and diagnosis of the causes of deterioration. The results of this research determine conservation needs.

The second and third phases (2012–2014) occur simultaneously over a three-year period. The second phase focuses on testing, evaluation and implementation of appropriate interventions for the tomb and its wall paintings and development of a long-term condition monitoring plan. The tomb infrastructure (walkways, protective barriers, ventilation, lighting, and signage) will also be updated and improved during this phase along with recommendations for limiting visitor numbers. Throughout the course of the project, MSA conservators, scientists and staff will undergo training in conservation and site management.

In the third phase, results of the project will be evaluated and disseminated to both professional and public audiences through print, visual, and web-based media. The planned dissemination aims to promote good conservation and management practice in Egypt, enhance MSA staff professional capabilities, and advance public understanding of conservation and its practice.

**Tomb of Tutankhamen Project Bibliography**

The bibliography is an important component of the project. It builds upon earlier research by the GCI in 1993 but was enlarged as part of the current conservation project.

Not surprisingly, there have been many publications on Tutankhamen and his tomb since Howard Carter’s famous discovery in 1922. The GCI Tutankhamen project bibliography does not aim to be all encompassing in scope but is intended to serve the structure and research needs of the project.

The bulk of the bibliographic research was undertaken during the first phase of the project as part of the background research on Tutankhamen and his tomb, and provided materials relating to historical context, the excavation of the tomb in the 1920s, the Valley of the Kings, the condition of the tomb and its wall paintings, the scientific analysis of materials and techniques of the paintings, previous treatments in the tomb, study of environmental conditions, and diagnosis of the causes of deterioration. Bibliographic research during the project’s second phase focused on the brown spots and topics related to proposed treatments in the tomb such as research on Egyptian plasters.

The bibliography is organized by subject. A scope note in each section explains the particular area(s) of focus and available keywords. Citations often appear in a number of categories. The bibliography is largely drawn from the English-language literature although a few non-English-language texts have been included.
CHAPTER 1
Background and History

1a. Tutankhamen and his Tomb
(Keywords: Amarna, Historical, Iconography, KV 62)

Scope Note: Bibliographic research on Tutankhamen and his tomb is not exhaustive. Emphasis was placed on finding select references to understand the historical context under which the tomb was constructed, the iconography of the decoration and the postulated circumstances that caused his early death.


KV 62


Gold, Historical, KV 62


Amarna, Historical


KV 62


Amarna, Excavation, Historical, Iconography, KV 62, Sarcophagus


Amarna, Historical, KV, KV 62, Tomb Construction


Historical, Iconography, KV 62, Tomb Construction


KV 62

   Excavation, KV 62


   Excavation, KV 62


   KV 62


   Amarna, Historical


   KV 62, Tomb Construction


   KV 62


   Iconography, KV 62

Carter, Howard. 1923. Tomb and tomb plan [notes made in preparation of the complete publication of Tutankhamun’s tomb]. Available at The Griffith Institute, University of Oxford, TAA i.3.31. [http://www.griffith.ox.ac.uk/gri/4tuttomb_plan.html](http://www.griffith.ox.ac.uk/gri/4tuttomb_plan.html)

   Excavation Notes, KV 62, Tomb Construction


   Amarna, Excavation, Historical


   Excavation, KV 62


   Excavation, Historical, KV 62
Chapter 1. Background and History


_Coffin, Excavation, Gold, KV 62_


_Iconography, KV, Tomb Construction_


_KV 62_


_KV 62_


_Gypsum, Iconography, KV 62, Plaster, Tomb Construction_


_Excavation, KV 62_


_Amarna, Gypsum, Plaster, Tomb Construction, KV_


_Historical, Tomb Construction_


_KV 62_


_Gold, Iconography, Painting Technique, Pigments_


_Binding Media, Iconography, Painting Technique, Pigments, Plaster_

Amarna, Historical, Mummy


Historical, Mummy


Amarna, Death Theories, Excavation, Historical, KV 62, Mummy


Historical, Iconography


Coffin, KV 62, Mummy, Sarcophagus, Tomb Construction


Amarna, KV 62


Amarna, Historical, KV 62


KV 62, Death Theories


Amarna, Historical, KV, KV 62, Tomb Construction


KV 62


Amarna, KV, Tomb Construction


Amarna, Historical, KV, KV 62, Tomb Construction
Chapter 1.  Background and History


- Binding Media, Grids, Ground Layer, Gypsum, Historical, Iconography, KV, Lime, Limestone, Painting Technique, Pigments, Plaster, Rock, Tomb Construction


- Binding Media, Gold, Historical, Iconography, KV 62, Painting Technique, Pigments


- Historical, Iconography, KV 62, Sarcophagus


- Amarna, Historical, Iconography, KV 62, Sarcophagus, Tomb Construction


- Biodeterioration, Excavation, KV 62, Sarcophagus


- Amarna, Iconography, KV 62, Sarcophagus


- Amarna, Historical, Iconography


- Amarna, Coffin, Historical, Iconography, KV 62, Sarcophagus, Tomb Construction


- Death Theories, Historical, Iconography, KV 62, Mummy, Tomb Construction


- Gold, KV 62


- KV 62

KV 62


Gold, KV 62


Coffin, KV 62, Sarcophagus


Gold, Excavation, KV 62


Amarna, Historical, KV 62


Amarna, Gold, Historical, Iconography, KV 62


Amarna, Historical, Mummy


Death Theories, KV 62, Mummy


Death Theories, Historical, KV 62, Mummy


Coffin, Iconography, Mummy, Sarcophagus


KV 62
Chapter 1. Background and History


Death Theories, Excavation, Historical, KV 62, Mummy


Amarna, Historical, Iconography


KV 62


Death Theories, Historical, Iconography, Mummy


Death Theories, Historical, Mummy


Amarna, Binding Media, Gypsum, Historical, Iconography, Painting Technique, Pigments, Plaster


Historical, Iconography, Painting Technique, Tomb Construction


Binding Media, Calcite, Clay, Ground Layer, Gypsum, Historical, Iconography, Painting Technique, Pigments, Plaster, Tomb Construction


KV 62


Historical, KV 62

**Death Theories, Historical, KV 62, Mummy**


**Amarna, Death Theories, Historical, Mummy**


**Historical, Iconography**


**Death Theories, KV, KV 62, Mummy**


**Coffin, Iconography, KV 62, Sarcophagus**


**Coffin, Gold, Iconography, KV 62**


**KV 62, Mummy**


**Iconography, KV, Tomb Construction**


**KV 62**


**KV 62**


**Iconography, KV 62**
Chapter 1. Background and History


Excavation, KV, KV 62


Amarna, Historical, Iconography, KV 62


Amarna, Historical


Historical, Tomb Construction


Amarna, Historical


Historical, Iconography, Painting Technique, Tomb Construction


KV 62


Historical


KV 62


Amarna, Historical, KV


Death Theories, Historical, KV 62, Mummy

Deterioration, Excavation, Historical News Articles, KV 62 Previous Treatment


Excavation, KV 62

———. n.d. Examination of Materials: (a) Tutankhamen, (b) Various. Available at The Griffith Institute, University of Oxford, TAA i.2.12. [http://www.griffith.ox.ac.uk/gri/4taai.html](http://www.griffith.ox.ac.uk/gri/4taai.html)

Pigments, Plaster, Excavation Notes, KV 62

———. n.d. Notes and memoranda on various aspects of the tomb. Available at The Griffith Institute, University of Oxford. [http://www.griffith.ox.ac.uk/gri/4lucasme.html](http://www.griffith.ox.ac.uk/gri/4lucasme.html)

Excavation Notes, KV 62


Excavation, Historical


KV 62


Historical, Excavation, KV, KV 62


KV 62


Historical, KV 62


Amarna, Historical


Historical

Excavation, Historical, KV, KV 62


KV 62


Historical, KV 62,


Historical


KV 62, Mummy


Amarna, Historical, KV, Limestone, Rock, Tomb Construction


Environment, Historical, KV 62


Amarna, Historical, Mummy


Historical, KV 62


Amarna, Plaster


Amarna, Clay, Historical, Lime, Plaster

KV, KV 62


KV 62


KV, KV 62


Historical, Iconography


Iconography, Pigments


Iconography, KV 62


Amarna, KV 62


Amarna, KV, Tomb Construction


KV, KV 62


Excavation, KV 62,


KV 62
Chapter 1. Background and History


KV, KV 62


Historical, Iconography, Painting Technique, Pigments


Grids, Iconography, KV, KV 62, Painting Technique


Calcite, Grids, Iconography, KV 62, Limestone, Painting Technique, Pigments, Plaster, Tomb Construction


Grids, Iconography, Painting Technique


Amarna, Grids, Historical, Iconography, Painting Technique, Tomb Construction


Historical, Iconography, KV, KV 62, Painting Technique, Tomb Construction


Iconography


Amarna, Historical, Iconography, KV 62, Sarcophagus


Excavation, Historical, KV


Historical, Iconography, KV, KV 62, Sarcophagus, Tomb Construction

Flooding, KV, KV 62


Deterioration, Flooding, KV 62


KV 62


Historical, Mummy


KV 62


Amarna, Iconography, Painting Technique

Secrets and splendors in the tomb of the Egyptian King Tutenkhamon. 1924. *Current History* 20 (3): 345-60.

Iconography, KV 62, Sarcophagus


Amarna, Iconography


KV 62


KV, KV 62


Historical, Iconography

Historical, KV 62


Excavation, Iconography, KV 62


Amarna, Historical


Iconography


Historical, Painting Technique


KV 62


Amarna, Excavation, Historical, Iconography, KV 62


Amarna, Iconography, KV 62, Mummy


Historical, Iconography, KV, KV 62, Tomb Construction


Historical, Iconography, KV, KV 62, Tomb Construction


Excavation, Historical, Iconography, KV, KV 62

Amarna, Historical, Iconography, KV 62


KV 62


KV 62


Amarna, Historical, KV, KV 62


Deterioration, Iconography, KV Management, Tomb Construction


Death Theories, Historical, KV 62, Mummy

Williams, Maynard Owen. 1923. At the tomb of Tutankhamen: An account of the opening of the royal Egyptian sepulcher which contained the most remarkable funeral treasures unearthed in historic times. *National Geographic* 43 (5): 461-508.

KV, KV 62, Visitors


KV 62


Excavation, KV 62


Excavation, KV 62
1b. Valley of the Kings
(Keyword: KV)

Scope Note: Bibliographic research on the Valley of the Kings is not comprehensive. Emphasis was placed on finding select references to provide context on the setting of Tutankhamen's tomb.


Amarna, Historical, KV, KV 62, Tomb Construction


KV


Amarna,Gypsum, Plaster, Tomb Construction, KV


Amarna, KV, Tomb Construction


Amarna, Historical, KV, KV 62, Tomb Construction


Binding Media, Grids, Ground Layer, Gypsum, Historical, Iconography, KV, Lime, Limestone, Painting Technique, Pigments, Plaster, Rock, Tomb Construction


Iconography, KV, Tomb Construction


Deterioration, KV, Painting Technique, Visitors


Amarna, Historical, KV

Excavation, Historical, KV, KV 62


KV, KV 62


Excavation, KV, Mummy


Amarna, KV, Tomb Construction


KV, KV 62


KV, KV 62


Excavation, Historical, KV


Historical, Iconography, KV, KV 62, Sarcophagus, Tomb Construction


Flooding, KV, KV 62


KV, Tomb Construction


Flooding, Geology, Hydrology, KV

KV


KV


KV, KV 62


KV


KV


KV, Tomb Construction


KV


KV


Historical, Iconography, KV, KV 62, Tomb Construction


KV


Historical, Iconography, KV, KV 62, Luxor, Tomb Construction

Excavation, Historical, Iconography, KV, KV 62


KV
Chapter 1. Background and History

1c. 1920s Excavation
(Keywords: Excavation Notes, Excavation, Historical News Articles)

Scope Note: Emphasis was placed on published sources, news articles and also notes (held at the Griffith Institute) produced by the Carter excavation team in the 1920s to better understand the condition of the tomb and its objects at the time of discovery.


Historic News Articles


Amarna, Excavation, Historical, Iconography, KV 62, Sarcophagus


KV 62, Excavation


Excavation, KV 62


Excavation, KV 62


Excavation, Mummy, KV 62 Previous Treatment


Excavation, KV 62


Excavation,


Excavation, KV, Tomb Construction

Excavation, KV 62


Excavation, KV 62


Historic News Articles


Excavation


Amarna, Death Theories, Excavation, Historical, KV 62, Mummy


Excavation, Flooding, Hydrology, KV, KV 62,


Biodeterioration, Excavation, KV 62, Sarcophagus
Chapter 1. Background and History


**Historic News Articles**


Gold, Excavation, KV 62


Death Theories, Excavation, Historical, KV 62, Mummy


Excavation, KV 62 Previous Treatment

The Griffith Institute, University of Oxford. 1923. Tutankhamun: Anatomy of an Excavation. [http://www.griffith.ox.ac.uk/tutankhamundiscovery.html](http://www.griffith.ox.ac.uk/tutankhamundiscovery.html)

Excavation Notes, KV 62, KV


Excavation, Historical, KV 62, Mummy, Visitors


Excavation


Coffin, Death Theories, Excavation, Mummy, Treatment


Excavation


Excavation, KV, KV 62


Excavation, KV, KV 62

Clay, Excavation Notes, Iconography, KV 62, Plaster, Tomb Construction


Excavation, KV 62, Visitors


Excavation, KV 62


Excavation


Excavation Notes, KV 62, Mummy

Lucas, Alfred. 1922-1939. Archaeology. Register of samples. Tutankhamun and others. Presented to the Griffith Institute for placing with the Howard Carter papers, November 1945. Available at The Griffith Institute, University of Oxford, TAA i.2.11. http://www.griffith.ox.ac.uk/gri/4lucas_samples.html

Excavation Notes, KV 62, KV 62 Previous Treatment


Historic News Articles, KV 62, KV 62 Previous Treatment


Gold, Historic News Articles, Red Gold


Historic News Articles, KV 62 Previous Treatment


Deterioration, Historic News Articles


Excavation, Historic News Articles, KV 62 Previous Treatment


Historic News Articles, KV 62 Previous Treatment
Chapter 1. Background and History

Deterioration, Excavation, Historical News Articles, KV 62 Previous Treatment

Deterioration, Excavation, Gold, Historic News Articles, KV 62 Previous Treatment

Excavation, KV 62 Previous Treatment, Historic News Articles

Excavation, KV 62

Pigments, Plaster, Excavation Notes, KV 62

Excavation Notes, KV 62

Historic News Articles

Historic News Articles

Excavation, Historic News Articles, KV 62, KV 62 Previous Treatment

Excavation, Historical

———. 1924. A. C. Mace's personal diary of the second excavation season in the tomb of Tutankhamun, November 14, 1923 to February 23, 1924. Available at The Griffith Institute, University of Oxford, TAA i.2.2. http://www.griffith.ox.ac.uk/gri/4macedia2.html
Excavation Notes

   Historical, Excavation, KV, KV 62


   Excavation, Geology, KV


   Excavation, Historical, KV, KV 62


   Historic News Articles


   Historic News Articles


   Historic News Articles


   Excavation, Coffin, Deterioration, Historical, KV 62, Mummy

Pharaoh’s Coffin Opened. 1924. *The Daily Mail*, 18 February.

   Coffin, Historic News Articles, KV 62, Sarcophagus


   Excavation, KV, Mummy


   Excavation, KV 62


   Excavation
Chapter 1. Background and History


Excavation, Historical, KV


Excavation, Historic News Articles, Plaster, Tomb Construction, KV 62


Historic News Articles


Excavation, Iconography, KV 62


Historic News Articles


Flooding, Historic News Articles, KV 62


Flooding, Historic News Articles


Historic News Articles


Historic News Articles


Historic News Articles


Historic News Articles


Historic News Articles

Historic News Articles


Historic News Articles


Historic News Articles


Historic News Articles


Historic News Articles


Amarna, Excavation, Historical, Iconography, KV 62


Excavation


Excavation, Historical, Iconography, KV, KV 62


Excavation, Historical, KV, KV 62, Mummy


Excavation, KV 62


Excavation, KV 62


Historic News Articles
CHAPTER 2
Condition

2a. General Condition
(Keyword: Deterioration)

Scope note: Priority was placed on citations relevant to past and current condition of the tomb, particularly, deterioration and damage to the wall paintings. Examples from other sites in Egypt are also included.


Deterioration, KV Management, KV 62, Treatment, Visitors


Pigments, Deterioration


Clay, Deterioration, Flooding, Geology, KV, Limestone, Rock


Salt, Deterioration


Deterioration, Pigments, Treatment


Deterioration, Geology, KV

Deterioration, Flooding, Geology, KV


Binding Media, Coffin, Deterioration, Pigments


Deterioration, Painting Technique, Pigments


Deterioration, Geology, Rock, Salts, Treatment


Deterioration, Environment, Limestone, Rock, Treatment


Binding Media, Deterioration, Environment, Gold, Pigments, Treatment


Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone, Rock


Deterioration, Environment, Flooding, KV Management, Treatment, Visitors


Deterioration, Gypsum, Limestone, Plaster, Treatment

Deterioration, KV, Painting Technique, Visitors


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, KV 62, Management, Treatment, Visitors


Deterioration, Environment, KV, KV 62, Ventilation, Visitors


Deterioration, Environment, Salts, Treatment


Deterioration, Historic News Articles


Deterioration, Excavation, Historical News Articles, KV 62 Previous Treatment


Deterioration, Excavation, Gold, Historic News Articles, KV 62 Previous Treatment


Deterioration, Flooding, Hydrology, KV


Deterioration, Flooding, Hydrology, KV, KV Management


Deterioration, Geology, Gypsum, Hydrology, Painting Technique, Pigments, Plaster, Salts

Anhydrite, Clay, Deterioration, Plaster, Rock, Salts


Binding Media, Deterioration, Lime, Limestone, Salts, Treatment


Anhydrite, Clay, Deterioration, Gypsum, Plaster, Salts


Anhydrite, Calcite, Deterioration, Gypsum, Plaster


Calcite, Deterioration, Gypsum, Plaster


Deterioration, Gypsum, Plaster


Clay, Deterioration, Limestone, Rock


Deterioration, Geology, Plaster


Deterioration, Flooding, KV 62


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, Limestone, Visitors


Amarna, Deterioration, Pigments


Deterioration, Flooding, KV, KV Management, KV 62, Treatment, Visitors


Deterioration, Iconography, KV Management, Tomb Construction


Clay, Deterioration, Geology, KV, Limestone, Rock


Deterioration, Geology, Salts, Plaster
2b. Brown Spots
(Keyword: Biodeterioration)

Scope Note: Brown spots mar the painted surface and can be found throughout the tomb. Citations specific to previous microbiological investigations and more general resources on microbiological identification methods and biodeterioration were selected.


Biodeterioration, Limestone


Biodeterioration


Biodeterioration


Biodeterioration, KV 62 Previous Treatment, Treatment


Biodeterioration, KV 62 Previous Treatment, Treatment


Biodeterioration, KV 62


Biodeterioration


Biodeterioration, Plaster

Biodeterioration, Environment, Environmental Investigation, Ventilation


Biodeterioration, KV 62


Biodeterioration, KV 62


Biodeterioration, KV 62


Biodeterioration


Biodeterioration


Biodeterioration


Biodeterioration


Biodeterioration

Bats, Biodeterioration


Biodeterioration


Biodeterioration


Biodeterioration


Biodeterioration


Biodeterioration, Environment


Biodeterioration


Biodeterioration


Deterioration, Treatment, Biodeterioration

Deterioration, Treatment, Biodeterioration


Deterioration, Biodeterioration


Biodeterioration, Death Theories, KV 62


Biodeterioration


Biodeterioration


Biodeterioration, Excavation, KV 62, Sarcophagus


Biodeterioration


Biodeterioration


Biodeterioration, Mummy

Biodeterioration, KV 62, KV 62 Previous Treatment, Treatment


Biodeterioration, Treatment


Biodeterioration


Biodeterioration, Treatment


Biodeterioration


Biodeterioration, Deterioration, Environment, Treatment


Biodeterioration


Biodeterioration, KV 62


Biodeterioration

Biodeterioration


Biodeterioration, KV 62


Biodeterioration, Treatment


Biodeterioration


Biodeterioration


Biodeterioration


Biodeterioration


Biodeterioration, Deterioration


Deterioration, Treatment, Biodeterioration

*Bautenschutz + Bausanierung* 10 (1): 14-23.

Biodeterioration


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Biodeterioration


Biodeterioration


Biodeterioration, KV 62, News Article


Biodeterioration, Treatment

Biodeterioration


Biodeterioration, Deterioration, Treatment


Biodeterioration, Treatment


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Biodeterioration


Biodeterioration, KV 62, Sarcophagus


Biodeterioration


Biodeterioration, KV 62, Visitors

Biodeterioration, Environment, Geology, KV 62, Treatment


Biodeterioration, Environment, Treatment


Biodeterioration


Biodeterioration


Deterioration, Biodeterioration


Biodeterioration
CHAPTER 3
Original Materials and Technology

3a. Tomb Construction
(Keywords: Tomb Construction)

Scope Note: Research was undertaken on Egyptian tomb construction to further understanding of how the tomb was made. Examples from other sites in Egypt are also included.


Tomb Construction


Tomb Construction


Amarna, Historical, KV, KV 62, Tomb Construction


Historical, Iconography, KV 62, Tomb Construction


Tomb Construction


Tomb Construction


Coffin, Grids, Historical, Iconography, KV, Painting Technique, Sarcophagus, Tomb Construction
Chapter 3. Original Materials and Technology


KV, KV Management, KV 62, Tomb Construction


Historical, Iconography, Painting Technique, Pigments, Tomb Construction


Binding Media, Grids, Ground Layer, Painting Technique, Pigments, Tomb Construction


KV 62, Tomb Construction


Excavation, KV, Tomb Construction

———. 1923. Tomb and tomb plan [notes made in preparation of the complete publication of Tutankhamun’s tomb]. Available at The Griffith Institute, University of Oxford, TAA i.3.31. http://www.griffith.ox.ac.uk/gri/4tuttomb_plan.html

Excavation Notes, KV 62, Tomb Construction


Iconography, KV, Tomb Construction


Gypsum, Iconography, KV 62, Plaster, Tomb Construction


Amarna, Gypsum, Plaster, Tomb Construction, KV


Historical, Tomb Construction

Coffin, KV 62, Mummy, Sarcophagus, Tomb Construction


Amarna, Historical, KV, KV 62, Tomb Construction


Amarna, KV, Tomb Construction


Amarna, Historical, KV, KV 62, Tomb Construction


Binding Media, Grids, Ground Layer, Gypsum, Historical, Iconography, KV, Lime, Limestone, Painting Technique, Pigments, Plaster, Rock, Tomb Construction


Amarna, Historical, Iconography, KV 62, Sarcophagus, Tomb Construction


Amarna, Coffin, Historical, Iconography, KV 62, Sarcophagus, Tomb Construction


Death Theories, Historical, Iconography, KV 62, Mummy, Tomb Construction


Environment, Flooding, Geology, Hydrology, KV, Tomb Construction


Flooding, Geology, Hydrology, KV, Tomb Construction, Treatment

Historical, Iconography, Painting Technique, Tomb Construction


Binding Media, Calcite, Clay, Ground Layer, Gypsum, Historical, Iconography, Painting Technique, Pigments, Plaster, Tomb Construction


Iconography, KV, Tomb Construction


Tomb Construction


Clay, Excavation Notes, Iconography, KV 62, Plaster, Tomb Construction


Grids, Historical, Iconography, Painting Technique, Pigments, Plaster, Tomb Construction


Historical, Tomb Construction


Historical, Iconography, Painting Technique, Tomb Construction


Geology, Historical, Pigments, Plaster, Tomb Construction

Iconography, Painting Technique, Pigments, Tomb Construction


Tomb Construction


Grids, Iconography, Painting Technique, Tomb Construction


Calcite, Clay, Ground Layer, Gypsum, Lime, Plaster, Tomb Construction


Gypsum, Historical, Plaster, Tomb Construction


Gypsum, Plaster, Tomb Construction


Anhydrite, Binding Media, Gold, Ground Layer, Gypsum, Painting Technique, Pigments, Plaster, Tomb Construction


Tomb Construction


Amarna, Historical, KV, Limestone, Rock, Tomb Construction


Amarna, KV, Tomb Construction
Chapter 3. Original Materials and Technology


Clay, Ground Layer, Hib, Painting Technique, Pigments, Plaster, Tomb Construction, Treatment


Calcite, Grids, Iconography, KV 62, Limestone, Painting Technique, Pigments, Plaster, Tomb Construction


Amarna, Grids, Historical, Iconography, Painting Technique, Tomb Construction


Historical, Iconography, KV, KV 62, Painting Technique, Tomb Construction


Historical, Iconography, KV, KV 62, Sarcophagus, Tomb Construction


KV, Tomb Construction


Excavation, Historic News Articles, Plaster, Tomb Construction, KV 62


Iconography, Painting Technique, Tomb Construction


Tomb Construction

KV, Tomb Construction


Amarna, Tomb Construction


Historical, Iconography, KV, KV 62, Tomb Construction


Historical, Iconography, KV, KV 62, Luxor, Tomb Construction


Geology, Hydrology, KV, KV Management, Tomb Construction


Geology, Hydrology, KV, KV Management, Tomb Construction


Deterioration, Iconography, KV Management, Tomb Construction
3b. Wall Paintings

(Keywords: Binding Media, Grids, Ground Layer, Painting Technique, Pigments, Varnish)

Scope Note: Focus was placed on researching the materials and techniques of the wall paintings. This was undertaken as background to the analytical investigation. Bibliographic research on plasters is included in a separate section (3c).


Gypsum, Lime, Pigments, Plaster


Ground Layer, Pigments


Gold, Ground Layer, Pigments


Coffin, Pigments,


Binding Media


Binding Media


Pigments


Pigments

Pigments, Deterioration


Pigments


Painting Technique, Pigments


Pigments


Lime, Painting Technique, Plaster


Coffin, Grids, Historical, Iconography, KV, Painting Technique, Sarcophagus, Tomb Construction


Binding Media, Clay, Gypsum, KV 62, Lime, Painting Technique, Plaster


Clay, Ground Layer, Gypsum, Lime, Painting Technique, Plaster


Historical, Iconography, Painting Technique, Pigments, Tomb Construction

Binding Media, Grids, Ground Layer, Painting Technique, Pigments, Tomb Construction


Lime, Pigments, Plaster


Pigments


Deterioration, Pigments, Treatment


Anhydrite, Deterioration, Environment, Flooding, Ground Layer, Gypsum, Hydrology, Plaster, Salts, Treatment, Ventilation


Pigments


Anhydrite, Clay, Calcite, Grids, Gypsum, Painting Technique, Pigments, Plaster


Pigments

**Pigments**


**Gold, Iconography, Painting Technique, Pigments**


**Coffin, Pigments**


**Coffin, Pigments**


**Binding Media, Iconography, Painting Technique, Pigments, Plaster**


**Binding Media, Coffin, Deterioration, Pigments**


**Historical, Painting Technique, Pigments**


**Pigments**


**Binding Media, Grids, Ground Layer, Gypsum, Historical, Iconography, KV, Lime, Limestone, Painting Technique, Pigments, Plaster, Rock, Tomb Construction**


**Binding Media, Gold, Historical, Iconography, KV 62, Painting Technique, Pigments**

**Binding Media, Gold, Historical, Iconography, KV 62, Painting Technique, Pigments**


**Deterioration, Painting Technique, Pigments**


**Ground Layer, Painting Technique, Pigments, Plaster, Sarcophagus**


**Ground Layer, Pigments**


**Ground Layer, Pigments**


**Binding Media, Coffin, Pigments**


**Binding Media, Calcite, Ground Layer, Gypsum, Lime, Painting Technique, Plaster**


**Anhydrite, Calcite, Gypsum, Lime, Limestone, Painting Technique, Plaster**


**Ground Layer, Painting Technique, Pigments, Plaster, Treatment**


**Binding Media, Deterioration, Environment, Gold, Pigments, Treatment**

Calcite, Coffin, Ground Layer, Painting Technique, Varnish


Amarna, Binding Media, Gypsum, Historical, Iconography, Painting Technique, Pigments, Plaster


Historical, Iconography, Painting Technique, Tomb Construction


Binding Media, Calcite, Clay, Ground Layer, Gypsum, Historical, Iconography, Painting Technique, Pigments, Plaster, Tomb Construction


Binding Media, Calcite, Clay, Gypsum, KV, Painting Technique, Pigments, Plaster, Treatment, Hib


Binding Media, Coffin, Gold, Ground Layer, Red Gold


Amarna, Historical, Pigments


Historical, Pigments


Ground Layer, Pigments
Chapter 3. Original Materials and Technology


**Painting Technique, Pigments**


**Pigments**


**Binding Media, KV 62, Pigments, Sarcophagus**


**Historical, Pigments**


**Historical, Pigments**


**Binding Media, Coffin, Grids, Ground Layer, Gypsum, Limestone, Painting Technique, Plaster**


**Grids, Painting Technique**


**Ground Layer**


**Deterioration, KV, Painting Technique, Visitors**

**Pigments**


**Coffin, Pigments, Treatment**


**Grids, Historical, Iconography, Painting Technique, Pigments, Plaster, Tomb Construction**


**Historical, Iconography, Painting Technique, Tomb Construction**


**Painting Technique, Pigments**


**Binding Media, Calcite, Gypsum, Painting Technique, Pigments, Plaster, Treatment**


**Binding Media, Calcite, Gypsum, Painting Technique, Pigments, Plaster, Treatment**


**Geology, Historical, Pigments, Plaster, Tomb Construction**
Chapter 3. Original Materials and Technology


Iconography, Painting Technique, Pigments, Tomb Construction


Calcite, Gold, Gypsum, Pigments, Plaster


Binding Media, Coffin, Mummy


Calcite, Clay, Ground Layer, Gypsum, Hib, Lime, Painting Technique, Plaster


Clay, Gold, Gypsum, Environment, Pigments, Plaster, Red Gold, Ventilation

———. n.d. Examination of Materials: (a) Tutankhamen, (b) Various. Available at The Griffith Institute, University of Oxford, TAA i.2.12. [http://www.griffith.ox.ac.uk/gri/4taai.html](http://www.griffith.ox.ac.uk/gri/4taai.html)

Pigments, Plaster, Excavation Notes, KV 62


Binding Media, Clay, Ground Layer, Gypsum, Lime, Pigments, Plaster


Calcite, Clay, Ground Layer, Gypsum, Plaster


Amarna, Binding Media, Ground Layer, Gypsum, Lime, Painting Technique, Pigments, Plaster


Grids, Iconography, Painting Technique, Tomb Construction


Binding Media, Painting Technique, Varnish
The Conservation and Management of the Tomb of Tutankhamen (KV 62): A Project Bibliography


Calcite, Clay, Ground Layer, Gypsum, Lime, Plaster, Tomb Construction


Plaster, Pigments, Rock, Salts, Treatment


Binding Media, Varnish


Binding Media


Binding Media, Painting Technique, Pigments


Pigments


Ground Layer, Painting Technique, Pigments, Plaster


Painting Technique


Pigments


Pigments
Chapter 3. Original Materials and Technology


Ground Layer, Painting Technique, Treatment


Binding Media, Gypsum, Plaster


Anhydrite, Binding Media, Gold, Ground Layer, Gypsum, Painting Technique, Pigments, Plaster, Tomb Construction


Painting Technique, Varnish


Deterioration, Geology, Gypsum, Hydrology, Painting Technique, Pigments, Plaster, Salts


Calcite, Coffin, Gold, Gypsum, Lime, Pigments, Plaster, Treatment


Binding Media, Pigments, Sarcophagus


Binding Media, Coffin, Painting Technique, Varnish


Binding Media, Painting Technique


Binding Media, Pigments

Pigments


Lime, Painting Technique, Pigments, Plaster


Pigments


Pigments


Pigments


Pigments


Ground Layer, Pigments


Binding Media, Ground Layer, Historical, Painting Technique, Pigments, Varnish


Coffin, Mummy, Pigments
Chapter 3. Original Materials and Technology


Ground Layer, Iconography, Painting Technique


Binding Media, Deterioration, Lime, Limestone, Salts, Treatment


Pigments


Binding Media, Painting Technique, Pigments


Pigments


Historical, Pigments


Iconography, Pigments


Historical, Iconography, Painting Technique, Pigments


Clay, Ground Layer, Hib, Painting Technique, Pigments, Plaster, Tomb Construction, Treatment


Pigments
The Conservation and Management of the Tomb of Tutankhamen (KV 62): A Project Bibliography


Pigments


Grids, Iconography, KV, KV 62, Painting Technique


Calcite, Grids, Iconography, KV 62, Limestone, Painting Technique, Pigments, Plaster, Tomb Construction


Grids, Iconography, Painting Technique


Amarna, Grids, Historical, Iconography, Painting Technique, Tomb Construction


Historical, Iconography, KV, KV 62, Painting Technique, Tomb Construction


Pigments


Amarna, Iconography, Painting Technique


Anhydrite, Calcite, Ground layer, Plaster, Pigments


Binding Media, Ground layer, Painting Technique, Pigments


Anhydrite, Binding Media, Calcite, Ground Layer, Gypsum, Pigments


Coffin, Historical, Iconography, Painting Technique, Varnish


Amarna, Coffin, Historical, Iconography, KV 62, Painting Technique, Sarcophagus, Varnish


Ground Layer


Iconography, Painting Technique, Tomb Construction


Binding Media, Ground Layer, KV, Painting Technique


Binding Media, Painting Technique, Varnish


Coffin, Gold, Ground Layer, Pigments
Chapter 3. Original Materials and Technology


Anhydrite, Binding Media, Clay, Ground Layer, Gypsum, Plaster


Historical, Painting Technique


Binding Media


Painting Technique


Amarna, Deterioration, Pigments


Pigments


Painting Technique, Pigments


Binding Media, Painting Technique


Binding Media, Ground Layer, Gypsum, Lime, Plaster

**Anhydrite, Calcite, Gypsum, KV, Pigments, Plaster**


**Pigments**


**Pigments**


**Pigments**


**Historical, Pigments**


**Painting Technique, Pigments**


**Painting Technique**


**Pigments**
Chapter 3. Original Materials and Technology


Pigments


Amarna, Anhydrite, Calcite, Clay, Gypsum, Lime, Painting Technique, Plaster


Amarna, Historical, Painting Technique, Pigments


Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone, Pigments, Plaster, Rock
3c. Egyptian Plasters
(Keywords: Anhydrite, Calcite, Clay, Gypsum, Hib, Lime, Plaster)

Scope Note: Research on Egyptian plasters focused on the binder and aggregate composition. This was undertaken as background to the analytical investigation of plasters from the tomb carried out to further the general knowledge on plasters and to enable more compatible conservation repair materials to be formulated.


Gypsum, Lime, Pigments, Plaster


Lime, Plaster


Biodeterioration, Plaster


Calcite, Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone


Clay, Plaster


Plaster


Lime, Plaster

Lime, Painting Technique, Plaster


Binding Media, Clay, Gypsum, KV 62, Lime, Painting Technique, Plaster


Clay, Ground Layer, Gypsum, Lime, Painting Technique, Plaster


Lime, Pigments, Plaster


Clay, Deterioration, Flooding, Geology, KV, Limestone, Rock


Anhydrite, Deterioration, Environment, Flooding, Ground Layer, Gypsum, Hydrology, Plaster, Salts, Treatment, Ventilation


Anhydrite, Clay, Calcite, Grids, Gypsum, Painting Technique, Pigments, Plaster


Gypsum, Iconography, KV 62, Plaster, Tomb Construction

Lime, Plaster


Amarna, Gypsum, Plaster, Tomb Construction, KV


Anhydrite, Calcite, Gypsum, Lime, Plaster


Anhydrite, Gypsum, Plaster


Binding Media, Iconography, Painting Technique, Pigments, Plaster


Deterioration, Plaster, Gypsum


Coffin, Gold, Plaster


Binding Media, Grids, Ground Layer, Gypsum, Historical, Iconography, KV, Lime, Limestone, Painting Technique, Pigments, Plaster, Rock, Tomb Construction

Clay, Gypsum, Lime, Plaster


Clay


Ground Layer, Painting Technique, Pigments, Plaster, Sarcophagus


Lime, Plaster


Clay, Plaster


Anhydrite, Calcite, Gypsum, Plaster


Anhydrite, Calcite, Gypsum, Plaster


Clay, Deterioration, Geology


Binding Media, Calcite, Ground Layer, Gypsum, Lime, Painting Technique, Plaster

Anhydrite, Calcite, Gypsum, Lime, Limestone, Painting Technique, Plaster


Ground Layer, Painting Technique, Pigments, Plaster, Treatment


Calcite, Cof fin, Ground Layer, Painting Technique, Varnish


Plaster, Geology


Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone, Rock


Amarna, Binding Media, Gypsum, Historical, Iconography, Painting Technique, Pigments, Plaster


Binding Media, Calcite, Clay, Ground Layer, Gypsum, Historical, Iconography, Painting Technique, Pigments, Plaster, Tomb Construction


Binding Media, Calcite, Clay, Gypsum, KV, Painting Technique, Pigments, Plaster, Treatment, Hib
Chapter 3. Original Materials and Technology


Plaster


Deterioration, Gypsum, Limestone, Plaster, Treatment


Clay, Geology, Plaster


Binding Media, Coffin, Grids, Ground Layer, Gypsum, Limestone, Painting Technique, Plaster


Clay, Excavation Notes, Iconography, KV 62, Plaster, Tomb Construction


Grids, Historical, Iconography, Painting Technique, Pigments, Plaster, Tomb Construction


Amarna, Calcite, Clay, Gypsum, Lime, Plaster


Anhydrite, Gypsum, Plaster


Gypsum, Lime, Painting Technology, Plaster

Anhydrite, Gypsum, Plaster


Calcite, Clay, Gypsum, Plaster


Binding Media, Calcite, Gypsum, Painting Technique, Pigments, Plaster, Treatment


Binding Media, Calcite, Gypsum, Painting Technique, Pigments, Plaster, Treatment


Geology, Historical, Pigments, Plaster, Tomb Construction


Calcite, Gold, Gypsum, Pigments, Plaster


Anhydrite, Gypsum, Plaster


Anhydrite, Gypsum, Plaster


Anhydrite, Gypsum, Plaster


Calcite, Gypsum, Lime, Plaster


Calcite, Clay, Ground Layer, Gypsum, Hib, Lime, Painting Technique, Plaster

Clay, Gold, Gypsum, Environment, Pigments, Plaster, Red Gold, Ventilation


Plaster

— . n.d. Examination of Materials: (a) Tutankhamen, (b) Various. Available at The Griffith Institute, University of Oxford, TAA i.2.12. [http://www.griffith.ox.ac.uk/gri/4taai.html](http://www.griffith.ox.ac.uk/gri/4taai.html)

Pigments, Plaster, Excavation Notes, KV 62


Calcite, Clay, Gypsum, Plaster


Binding Media, Clay, Ground Layer, Gypsum, Lime, Pigments, Plaster


Calcite, Clay, Ground Layer, Gypsum, Plaster


Amarna, Binding Media, Ground Layer, Gypsum, Lime, Painting Technique, Pigments, Plaster


Gypsum


Calcite, Clay, Ground Layer, Gypsum, Lime, Plaster, Tomb Construction


Calcite, Gypsum, Plaster


Plaster, Pigments, Rock, Salts, Treatment

Anhydrite, Gypsum, Plaster, Treatment


Ground Layer, Painting Technique, Pigments, Plaster


Anhydrite, Gypsum, Plaster


Gypsum, Historical, Plaster, Tomb Construction


Gypsum, Plaster, Tomb Construction


Anhydrite, Clay, Gypsum, Plaster


Binding Media, Gypsum, Plaster


Anhydrite, Binding Media, Gold, Ground Layer, Gypsum, Painting Technique, Pigments, Plaster, Tomb Construction


Plaster


Deterioration, Geology, Gypsum, Hydrology, Painting Technique, Pigments, Plaster, Salts
Chapter 3. Original Materials and Technology


Anhydrite, Clay, Deterioration, Plaster, Rock, Salts


Clay, Plaster


Calcite, Coffin, Gold, Gypsum, Lime, Pigments, Plaster, Treatment


Coffin, Gold, Gypsum, Plaster


Lime, Painting Technique, Pigments, Plaster


Amarna, Plaster


Amarna, Clay, Historical, Lime, Plaster


Plaster


Anhydrite, Clay, Deterioration, Gypsum, Plaster, Salts


Environment, Hydrology, Plaster, Salts, Treatment

Clay, Geology, Plaster


Anhydrite, Calcite, Deterioration, Gypsum, Plaster


Calcite, Deterioration, Gypsum, Plaster


Deterioration, Gypsum, Plaster


Calcite, Gypsum, Plaster


Gypsum, Plaster


Anhydrite, Gypsum


Clay, Ground Layer, Hib, Painting Technique, Pigments, Plaster, Tomb Construction, Treatment


Calcite, Grids, Iconography, KV 62, Limestone, Painting Technique, Pigments, Plaster, Tomb Construction


Clay, Deterioration, Limestone, Rock

Deterioration, Geology, Plaster


Clay, Geology


Anhydrite, Calcite, Ground layer, Plaster, Pigments


Clay, Lime, Plaster


Excavation, Historic News Articles, Plaster, Tomb Construction, KV 62


Deterioration, Painting Technique, Pigments, Plaster


Anhydrite, Binding Media, Calcite, Ground Layer, Gypsum, Pigments


Lime, Plaster


Calcite

Clay, Plaster, Treatment


Clay, Plaster, Treatment


Gypsum, KV, Plaster


Anhydrite, Gypsum, Plaster


Gypsum, Lime, Plaster


Anhydrite, Binding Media, Clay, Ground Layer, Gypsum, Plaster


Clay, Geology


Binding Media, Ground Layer, Gypsum, Lime, Plaster


Anhydrite, Calcite, Gypsum, KV, Pigments, Plaster

Amarna, Plaster


Amarna, Anhydrite, Calcite, Clay, Gypsum, Lime, Painting Technique, Plaster


Clay, Rock


Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone, Pigments, Plaster, Rock


Deterioration, Environment, Plaster, Treatment


Lime, Plaster


Clay, Deterioration, Geology, KV, Limestone, Rock


Deterioration, Geology, Salts, Plaster
CHAPTER 4
Sarcophagus, Coffin and Mummy

4a. Sarcophagus
(Keyword: Sarcophagus)

Scope Note: Research was undertaken to support the investigation of Tutankhamen’s quartzite sarcophagus.


Amarna, Excavation, Historical, Iconography, KV 62, Sarcophagus


Coffin, Grids, Historical, Iconography, KV, Painting Technique, Sarcophagus, Tomb Construction


Coffin, KV 62, Mummy, Sarcophagus, Tomb Construction


KV 62, Sarcophagus, Treatment


Historical, Iconography, KV 62, Sarcophagus


Amarna, Historical, Iconography, KV 62, Sarcophagus, Tomb Construction


Biodeterioration, Excavation, KV 62, Sarcophagus
Chapter 4. Sarcophagus, Coffin and Mummy


Amarna, Iconography, KV 62, Sarcophagus


Amarna, Coffin, Historical, Iconography, KV 62, Sarcophagus, Tomb Construction


Coffin, KV 62, Sarcophagus


Ground Layer, Painting Technique, Pigments, Plaster, Sarcophagus


Coffin, Iconography, Mummy, Sarcophagus


Coffin, Iconography, KV 62, Sarcophagus


Sarcophagus


Binding Media, KV 62, Pigments, Sarcophagus


Binding Media, Pigments, Sarcophagus

Pharaoh’s Coffin Opened. 1924. *The Daily Mail*, 18 February.

Coffin, Historic News Articles, KV 62, Sarcophagus

Amarna, Historical, Iconography, KV 62, Sarcophagus


Historical, Iconography, KV, KV 62, Sarcophagus, Tomb Construction

Secrets and splendors in the tomb of the Egyptian King Tutenkhamon. 1924. *Current History* 20 (3): 345-60.

Iconography, KV 62, Sarcophagus


Biodeterioration, KV 62, Sarcophagus


Amarna, Coffin, Historical, Iconography, KV 62, Painting Technique, Sarcophagus, Varnish
**4b. Coffin**  
(Keywords: Coffin, Gesso, Gold, Red Gold)

Scope Note: Bibliographic research was undertaken on the outermost gilded coffin with focus on the investigation and conservation of other Egyptian wooden coffins, particularly gold techniques and condition. A specific area concerned the outermost coffin’s red patina.


Gold, Historical, KV 62


Gold


Gold, Ground Layer, Pigments


Gold


Gold, KV 62


Coffin, Grids, Historical, Iconography, KV, Painting Technique, Sarcophagus, Tomb Construction


Gold, Excavation, Gold, KV 62


Gold, Iconography, Painting Technique, Pigments


Coffin, Gold
Coffin, Pigments


Coffin, Pigments


Binding Media, Coffin, Deterioration, Pigments


Coffin, KV 62, Mummy, Sarcophagus, Tomb Construction


Coffin


Coffin, Gold, Plaster


Binding Media, Gold, Historical, Iconography, KV 62, Painting Technique, Pigments


Binding Media, Gold, Historical, Iconography, KV 62, Painting Technique, Pigments


Gold


Amarna, Coffin, Historical, Iconography, KV 62, Sarcophagus, Tomb Construction

Gold, KV 62


Gold, KV 62


Coffin, KV 62, Sarcophagus


Coffin, Mummy


Gold, Excavation, KV 62


Coffin, Gesso


Amarna, Gold, Historical, Iconography, KV 62


Gold, KV 62


Coffin, Iconography, Mummy, Sarcophagus


Amarna, Coffin, Gold, Red Gold


Binding Media, of fin, Pigments
Coffin, Treatment


Coffin, Gold, Treatment


Coffin, Gold, Treatment


Coffin, Treatment


Binding Media, Deterioration, Environment, Gold, Pigments, Treatment


Calcite, Coffin, Ground Layer, Painting Technique, Varnish


Coffin, Treatment


Coffin, Treatment


Binding Media, Coffin, Gold, Ground Layer, Red Gold

Coffin, Death Theories, Excavation, Mummy, Treatment


Coffin, Iconography, KV 62, Sarcophagus


Coffin, Gold, Iconography, KV 62


Gold, Historical, Treatment


Binding Media, Coffin, Grids, Ground Layer, Gypsum, Limestone, Painting Technique, Plaster


Coffin, Gold, Historical, KV 62


Coffin, Gold


Coffin, Gesso, Treatment


Coffin, Pigments, Treatment


Coffin, Mummy

Calcite, Gold, Gypsum, Pigments, Plaster


Coffin


Binding Media, Coffin, Mummy


Coffin, Mummy


Gold, Historic News Articles, Red Gold


Deterioration, Excavation, Gold, Historic News Articles, KV 62 Previous Treatment


Clay, Gold, Gypsum, Environment, Pigments, Plaster, Red Gold, Ventilation


Coffin, Environment, Gesso, Gold


Coffin, Gesso


Anhydrite, Binding Media, Gold, Ground Layer, Gypsum, Painting Technique, Pigments, Plaster, Tomb Construction

Coffin, Gold, KV 62


Calcite, Coffin, Gold, Gypsum, Lime, Pigments, Plaster, Treatment


Coffin, Gold, Gypsum, Plaster


Binding Media, Coffin, Painting Technique, Varnish


Coffin, Gold, Historical


Coffin, Gesso, Gold


Coffin, Mummy, Pigments


Excavation, Coffin, Deterioration, Historical, KV 62, Mummy


Coffin, Gold, Historical


Gold, Red Gold, Treatment
Pharaoh’s Coffin Opened. 1924. *The Daily Mail*, 18 February.

Coffin, Historic News Articles, KV 62, Sarcophagus


Coffin, Gesso, Gold, KV 62, Red Gold


Coffin, Gold


Coffin, Gold, Red Gold


Coffin, Gold, Historical, Iconography, Red Gold


Coffin, Gold, KV 62


Coffin, Historical, Iconography, Painting Technique, Varnish


Amarna, Coffin, Historical, Iconography, KV 62, Painting Technique, Sarcophagus, Varnish


Coffin, Gold, KV 62


Coffin, Mummy

Coffin, Gold, Ground Layer, Pigments


Coffin, Treatment


Coffin


Coffin, Gold


Coffin, KV 62


Gold


Coffin, Gold


Biodeterioration, Coffin, Treatment
4c. Mummy
(Keyword: Death Theories, Mummy)

Scope Note: Limited bibliographic research was undertaken on the mummy, including theories on how the Pharaoh had died.


Mummy


Death Theories, Mummy


Excavation, Mummy, KV 62 Previous Treatment


Amarna, Historical, Mummy


Historical, Mummy


Amarna, Death Theories, Excavation, Historical, KV 62, Mummy


Biodeterioration, Death Theories, KV 62


Mummy, Treatment


Deterioration, Environment, Mummy, Treatment, Ventilation
Chapter 4. Sarcophagus, Coffin and Mummy


Deterioration, Environment, Mummy, Treatment, Ventilation


Mummy


Coffin, KV 62, Mummy, Sarcophagus, Tomb Construction


KV 62, Death Theories


Mummy


Death Theories, Historical, Iconography, KV 62, Mummy, Tomb Construction


Coffin, Mummy


Death Theories, Mummy


Biodeterioration, Mummy


Amarna, Historical, Mummy


Death Theories, KV 62, Mummy

Death Theories, Historical, KV 62, Mummy


Coffin, Iconography, Mummy, Sarcophagus


Death Theories, Excavation, Historical, KV 62, Mummy


Excavation, Historical, KV 62, Mummy, Visitors


Death Theories, Historical, Iconography, Mummy


Death Theories, Historical, Mummy


Mummy


Mummy


Amarna, Historical, KV, Mummy


Amarna, Historical, Mummy


Death Theories, Historical, KV 62, Mummy
Chapter 4. Sarcophagus, Coffin and Mummy


Mummy


Historical, KV 62, Mummy


Death Theories, Historical, KV 62, Mummy


Amarna, Death Theories, Historical, Mummy


Coffin, Death Theories, Excavation, Mummy, Treatment


Death Theories, KV 62, Mummy


KV 62, Mummy


Mummy


Coffin, Mummy


Excavation Notes, KV 62, Mummy


KV 62, Mummy

Death Theories, Historical, KV 62, Mummy


Binding Media, Coffin, Mummy


Coffin, Mummy


Death Theories, Mummy


KV 62, Mummy


Coffin, Mummy, Pigments


Mummy


Mummy


Excavation, Coffin, Deterioration, Historical, KV 62, Mummy

Amarna, Historical, Mummy


Excavation, KV, Mummy


Historical, Mummy


Coffin, Mummy


Amarna, Iconography, KV 62, Mummy


Amarna, Historical, Mummy


Death Theories, Mummy


Death Theories, Historical, KV 62, Mummy


Excavation, Historical, KV 62, Mummy
CHAPTER 5
Conservation Treatment

(Keywords: Previous Treatment, Treatment)

Scope Note: Emphasis was placed on finding select references to investigate previous treatments in the tomb, as context for current conservation practice in Egypt, and to inform proposed treatments in the tomb.


Deterioration, KV Management, KV 62, Treatment, Visitors


Biodeterioration, KV 62 Previous Treatment, Treatment


Biodeterioration, KV 62 Previous Treatment, Treatment


Treatment


Treatment


Excavation, Mummy, KV 62 Previous Treatment


Deterioration, Pigments, Treatment

Anhydrite, Deterioration, Environment, Flooding, Ground Layer, Gypsum, Hydrology, Plaster, Salts, Treatment, Ventilation


Deterioration, Treatment, Biodeterioration


Deterioration, Treatment, Biodeterioration


Mummy, Treatment


Deterioration, Environment, Mummy, Treatment, Ventilation


Deterioration, Environment, Mummy, Treatment, Ventilation


Treatment


KV 62, Sarcophagus, Treatment

Treatment


Deterioration, Treatment


KV 62, Treatment, Visitors


Biodeterioration, KV 62, KV 62 Previous Treatment, Treatment


Biodeterioration, Treatment


Environment, KV, KV Management, Treatment, Ventilation


KV Management, KV 62, Treatment


Coffin, Treatment


Coffin, Gold, Treatment
Chapter 5. Conservation Treatment


Coffin, Gold, Treatment


Flooding, Geology, Hydrology, KV, Tomb Construction, Treatment


Biodeterioration, Treatment


Excavation, KV 62 Previous Treatment


Biodeterioration, Deterioration, Environment, Treatment


Coffin, Treatment


Deterioration, Geology, Rock, Salts, Treatment


Deterioration, Environment, Limestone, Rock, Treatment


Ground Layer, Painting Technique, Pigments, Plaster, Treatment


Gold, Historical, Treatment


Coffin, Gesso, Treatment


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, KV 62, Management, Treatment, Visitors


Coffin, Pigments, Treatment


Environment, Environmental Investigation, KV, KV Management, Treatment, Ventilation, Visitors


Biodeterioration, Treatment


Deterioration, Treatment, Biodeterioration


Binding Media, Calcite, Gypsum, Painting Technique, Pigments, Plaster, Treatment


Binding Media, Calcite, Gypsum, Painting Technique, Pigments, Plaster, Treatment

Deterioration, Environment, Salts, Treatment

Lucas, Alfred. 1922-1939. Archaeology. Register of samples. Tutankhamun and others. Presented to the Griffith Institute for placing with the Howard Carter papers, November 1945. Available at The Griffith Institute, University of Oxford, TAA i.2.11. http://www.griffith.ox.ac.uk/gri/4lucas_samples.html

Excavation Notes, KV 62, KV 62 Previous Treatment


Historic News Articles, KV 62, KV 62 Previous Treatment


Historic News Articles, KV 62 Previous Treatment


Excavation, Historic News Articles, KV 62 Previous Treatment


Historic News Articles, KV 62 Previous Treatment


Deterioration, Excavation, Historical News Articles, KV 62 Previous Treatment


Deterioration, Excavation, Gold, Historic News Articles, KV 62 Previous Treatment

———. 1923. Tutankhamen’s Tomb: Some Interesting Chemical Problems. The Egyptian Gazette, 05 April.

Excavation, KV 62 Previous Treatment, Historic News Articles


Treatment


Treatment


Excavation, Historic News Articles, KV 62, KV 62 Previous Treatment

Treatment


Plaster, Pigments, Rock, Salts, Treatment


Anhydrite, Gypsum, Plaster, Treatment


Ground Layer, Painting Technique, Treatment


Treatment


Calcite, Coffin, Gold, Gypsum, Lime, Pigments, Plaster, Treatment


Treatment


Binding Media, Deterioration, Lime, Limestone, Salts, Treatment


Biodeterioration, Treatment

Gold, Red Gold, Treatment


Treatment


KV 62, Treatment


Environment, Hydrology, Plaster, Salts, Treatment


Biodeterioration, Deterioration, Treatment


Clay, Ground Layer, Hib, Painting Technique, Pigments, Plaster, Tomb Construction, Treatment


Biodeterioration, Treatment


Bats, Deterioration, Flooding, KV, KV Management, Treatment, Visitors
Chapter 5. Conservation Treatment


Clay, Plaster, Treatment


Clay, Plaster, Treatment


Coffin, Treatment


Deterioration, Treatment


Biodeterioration, Environment, Geology, KV 62, Treatment


Deterioration, Treatment


Treatment


Biodeterioration, Environment, Treatment


Deterioration, Flooding, KV, KV Management, KV 62, Treatment, Visitors

Deterioration, Environment, Plaster, Treatment


Deterioration, Limestone, Treatment


Biodeterioration, Coffin, Treatment
6a. Environmental Conditions
(Keywords: Environment, Environmental Investigations, Ventilation)

Scope Note: Select references on the environmental conditions of the tomb and its environs were sought. These included microclimatic studies of tomb conditions and macroclimatic investigations of the exterior as well as issues of tomb ventilation. Examples from other sites in Egypt are also included.


Environment, Environmental Investigation, Management, Visitors


Environment, Environmental Investigation, KV, Ventilation, Visitors


Environment, KV, KV Management, Treatment, Ventilation


Environment, Environmental Investigation, KV


Deterioration, Environment, Flooding, KV Management, Treatment, Visitors


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, KV 62, Management, Treatment, Visitors


Environment, Environmental Investigation, KV, Ventilation


Environment, Environmental Investigation, KV, KV Management, Treatment, Ventilation, Visitors


Environment, Ventilation, Visitors
Chapter 6. Environmental Conditions


Deterioration, Environment, KV, KV 62, Ventilation, Visitors


Deterioration, Environment, Salts, Treatment


Environment, KV, Ventilation


Clay, Gold, Gypsum, Environment, Pigments, Plaster, Red Gold, Ventilation


Environment, Historical, KV 62


Environment, Flooding


Environment, Hydrology


Environment
6b. Flooding and Hydrological Studies
(Keywords: Flooding, Hydrology)

Scope Note: Flash flooding is the greatest threat to tombs in the Valley of the Kings. Emphasis was placed on finding select references on the history of past flooding in the valley, topographic, previous hydrological studies and proposed flood prevention methods and solutions.


Hydrology


Environment, Hydrology


Calcite, Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone


Flooding, Geology, KV, KV 62


Clay, Deterioration, Flooding, Geology, KV, Limestone, Rock


Anhydrite, Deterioration, Environment, Flooding, Ground Layer, Gypsum, Hydrology, Plaster, Salts, Treatment, Ventilation


Excavation, Flooding, Hydrology, KV, KV 62
Chapter 6. Environmental Conditions

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Deterioration, Flooding, Geology, KV


Geology, KV, Flooding, Management, Environment, KV Management, Hydrology


Flooding, Geology, KV


Environment, Flooding, Geology, Hydrology, KV, Tomb Construction


Flooding, Geology, Hydrology, KV, Tomb Construction, Treatment


Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone, Rock


Deterioration, Environment, Flooding, KV Management, Treatment, Visitors


Deterioration, Geology, Hydrology


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, KV 62, Management, Treatment, Visitors


Deterioration, Geology, Gypsum, Hydrology, Painting Technique, Pigments, Plaster, Salts

Flooding, KV

Flooding, Geology, KV


Flooding, Geology, KV
Chapter 6. Environmental Conditions


Environment, Hydrology, Plaster, Salts, Treatment


Flooding, KV 62


Flooding, Geology, Hydrology, KV


Deterioration, Flooding, KV 62


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, Limestone, Visitors


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, Limestone, Visitors


Flooding, KV, KV Management


Deterioration, Flooding, Geology, KV 62

   Bats, Deterioration, Flooding, KV, KV Management, Treatment, Visitors


   Environment, Flooding


   Environment, Hydrology


Flooding, KV


   Flooding, Historic News Articles, KV 62


   Flooding, Historic News Articles


   Deterioration, Flooding, KV


Flooding, Hydrology, KV, KV Management, KV 62


Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone, Pigments, Plaster, Rock


Geology, Hydrology, KV, KV Management, Tomb Construction
Chapter 6. Environmental Conditions


Deterioration, Flooding, KV, KV Management, KV 62, Treatment, Visitors


Deterioration, Environmental Investigation, Flooding, Salts
6c. Geomorphology, Geology and Geotechnical Studies
(Keywords: Geology, Rock, Salts)

Scope Note: Study of the topography and geology of the Valley of the Kings is important for an understanding of the construction and decoration of the tombs and their past and current condition. Emphasis was placed on identifying references on the geology and mapping of the Theban Mountains.


Deterioration, Geology, KV


Calcite, Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone


Geology


Geology


Geology


Flooding, Geology, KV, KV 62


Clay, Deterioration, Flooding, Geology, KV, Limestone, Rock

Anhydrite, Deterioration, Environment, Flooding, Ground Layer, Gypsum, Hydrology, Plaster, Salts, Treatment, Ventilation


Environment, Flooding, Geology, Hydrology, KV, KV 62


Deterioration, Geology, KV


Deterioration, Flooding, Geology, KV


Geology, KV, Flooding, Management, Environment, KV Management, Hydrology


Binding Media, Grids, Ground Layer, Gypsum, Historical, Iconography, KV, Lime, Limestone, Painting Technique, Pigments, Plaster, Rock, Tomb Construction


Geology, KV, Limestone, Rock


Rock


Geology

Flooding, Geology, KV


Environment, Flooding, Geology, Hydrology, KV, Tomb Construction


Geology


Flooding, Geology, Hydrology, KV, Tomb Construction, Treatment


Clay, Deterioration, Geology


Deterioration, Geology, Rock, Salts, Treatment


Deterioration, Environment, Limestone, Rock, Treatment


Geology


Geology, KV

Plaster, Geology


Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone, Rock


Deterioration, Geology, Hydrology


Clay, Geology, Plaster


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, KV 62, Management, Treatment, Visitors


Deterioration, Environment, Salts, Treatment


Geology, Historical, Pigments, Plaster, Tomb Construction,


Excavation, Geology, KV

Plaster, Pigments, Rock, Salts, Treatment


Flooding, Geology, Hydrology, KV


Deterioration, Geology, Gypsum, Hydrology, Painting Technique, Pigments, Plaster, Salts


Anhydrite, Clay, Deterioration, Plaster, Rock, Salts


Flooding, Geology, KV


Flooding, Geology, KV


Clay, Geology, Plaster


Clay, Deterioration, Limestone, Rock


Deterioration, Geology, Plaster


Flooding, Geology, Hydrology, KV

Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, Limestone, Visitors


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, Limestone, Visitors


Deterioration, Flooding, Geology, KV 62


Clay, Geology


Geology


Geology, KV


Geology


Geology, KV


Biodeterioration, Environment, Geology, KV 62, Treatment

Clay, Geology


Clay, Rock


Clay, Deterioration, Flooding, Geology, Hydrology, KV, Limestone, Pigments, Plaster, Rock


Geology, Hydrology, KV, KV Management, Tomb Construction


Geology, Hydrology, KV, KV Management, Tomb Construction


Geology, KV


Deterioration, Environmental Investigation, Flooding, Salts


Geology


Clay, Deterioration, Geology, KV, Limestone, Rock


Deterioration, Geology, Salts, Plaster
CHAPTER 7
Site and Visitor Management/Interpretation

(Keywords: KV Management, Management, Visitors)

Scope Note: The tomb of Tutankhamen is one of the most heavily visited sites on the Theban West Bank. Select references were sought to provide context on tourism at sites in Egypt in order to make recommendations that will both improve the visitor experience and protect the tomb. Site management related references specific to Kings Valley are included.


Environmental Investigation, KV, KV Management, Ventilation


Environmental Investigation, KV, KV Management, Ventilation


Environment, Environmental Investigation, KV Management, KV 62, Ventilation, Visitors


Deterioration, KV Management, KV 62, Treatment, Visitors


KV, KV Management, KV 62, Tomb Construction

KV, KV Management, Visitors


Geology, KV, Flooding, Management, Environment, KV Management, Hydrology


KV, Visitors


KV 62, Treatment, Visitors


KV Management, KV 62, Visitors


Environment, Environmental Investigation, KV, Ventilation, Visitors


Environment, KV, KV Management, Treatment, Ventilation


KV Management, KV 62, Treatment


Excavation, Historical, KV 62, Mummy, Visitors


Deterioration, Environment, Flooding, KV Management, Treatment, Visitors


KV Management, Visitors

KV Management, Visitors


KV 62, Treatment, Visitors


Deterioration, KV, Painting Technique, Visitors


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, KV 62, Management, Treatment, Visitors


Environment, Environmental Investigation, KV, KV Management, Treatment, Ventilation, Visitors


Environment, Ventilation, Visitors


Deterioration, Environment, KV, KV 62, Ventilation, Visitors


Excavation, KV 62, Visitors


KV Management, Visitors


Deterioration, Flooding, Hydrology, KV, KV Management

Visitors


KV, KV Management, KV 62, Visitors


KV Management, Visitors


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, Limestone, Visitors


Deterioration, Environment, Flooding, Geology, Historical, KV, KV Management, Limestone, Visitors


Flooding, KV, KV Management


Bats, Deterioration, Flooding, KV, KV Management, Treatment, Visitors


KV 62, Visitors


Biodeterioration, KV 62, Visitors
Chapter 7. Site and Visitor Management/Interpretation


KV, KV Management, KV 62, Visitors


Management, Visitors


Management


Flooding, Hydrology, KV, KV Management, KV 62,


Geology, Hydrology, KV, KV Management, Tomb Construction


Geology, Hydrology, KV, KV Management, Tomb Construction


Deterioration, Flooding, KV, KV Management, KV 62, Treatment, Visitors


Deterioration, Iconography, KV Management, Tomb Construction


KV, KV Management, Visitors

Williams, Maynard Owen. 1923. At the tomb of Tutankhamen: An account of the opening of the royal Egyptian sepulcher which contained the most remarkable funeral treasures unearthed in historic times. National Geographic 43 (5): 461-508.

KV, KV 62, Visitors