# Getty













# TECHNICIAN TRAINING FOR THE CONSERVATION OF MOSAICS

PART 1
THE CONSERVATION OF IN SITU MOSAICS

## Deterioration of mosaics

Livia Alberti, Ermanno Carbonara, Thomas Roby



# Deterioration

The deterioration of a mosaic is the process of transformation that leads to the gradual loss of the original qualities of the constituent materials of a mosaic and the separation of its components (tesserae, mortars).

# Main factors of deterioration:

Environment

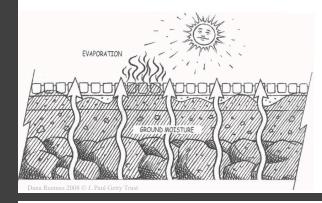
Human activities

#### **Deterioration Process**

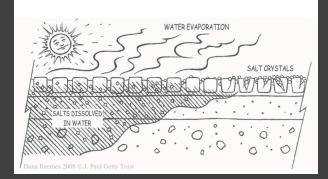
Factors	Causes	& Examples	Examples of Mechanisms	Main Phenomena	
		Atmospheric precipitation: rain, snow Water condensation / capillary rise	Salt crystallization due to wet-dry cycles	Efflorescence / Incrustations Deteriorated tesserae	
	Climatic and environmental agents	Temperature and humidity variations Temperature below 0°C	Contraction—dilatation cycles of materials	Bulges / Detachments Lacunae / cracks	
		Marine salt / wind Water pooling / soil accumulation	Freeze-thaw cycles	Deteriorated tesserae Deteriorated mortar between tesserae	
		Micro-organisms (algae, lichens, moss, etc.)	Chemical transformation of materials Mechanical pressure caused by root growth	Deteriorated tesserae Deteriorated mortar between tesserae	
Environment	Bio-deterioration agents	Vegetation (grass, plants, bushes, trees, etc.)	Mechanical pressure caused by root growth	Bulges / Detachments Lacunae / Cracks Detached tesserae / Stains	
Envir		Animals (insects, rats, moles, sheep, cows, etc.)	Loss of material due to the digging of tunnels & building of nests Mechanical pressure caused by walking on mosaics	Bulges / Depressions Detachments / Lacunae / Fractures Detached and deteriorated tesserae / Stains	
	Natural disasters	Earthquakes Flooding / Fire Landslides	Movement of mosaic material Chemical transformation of mosaic materials	Lacunae / Cracks Bulges / Depressions Detachments / Detached tesserae / Stains	
	Pollution (chemical substances present in air, water and soil)	Agricultural fertilizers Car exhaust emissions Industrial discharges into water and air Acid rain	Chemical transformation of mosaic materials Salt crystallization	Deteriorated tesserae Deteriorated mortar between tesserae Stains Efflorescence / Incrustations	
ies	Poor management of archaeological sites	Water pooling / soil accumulation Uncontrolled tourist access Growth of plants and micro-organisms	Salt crystallization Mechanical pressure caused by walking on mosaics and by root growth	Lacunae / Cracks  Detachments	
Human activities	Inappropriate conservation interventions	Poorly executed work Use of inappropriate materials Untrained staff	Salt crystallization Chemical transformation of materials	Bulges / Depressions Detached tesserae Deteriorated tesserae	
	Gratuitous, deliberate or accidental destruction	Vandalism, wars, etc. Theft of mosaic fragments Illegal excavations	Loss of materals of the mosaic	Deteriorated repair mortars Deteriorated support panels Stains	
	Poor land use planning	New constructions (buildings, roads, etc.) without proper excavation	Loss of materals of the mosaic		

# CONDENSATION when the surface is cooler than the air HUMID AIR WET MOSAIC Dana Recmes 2008 C J. Paul Getty Trust

#### CAPILLARY RISE OF WATER



#### SALT CRYSTALLIZATION





Damaged Tesserae



Bulges, Detachments, Cracks, Lacunae, Detached Tesserae



Efflorescence

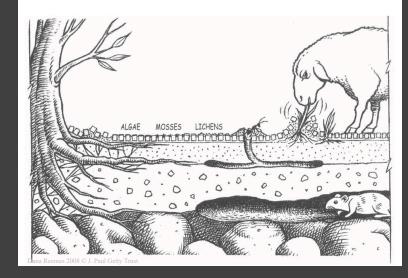


Incrustations

#### **Deterioration Process**

Factors	Causes	& Examples	<b>Examples of Mechanisms</b>	Main Phenomena
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	Poor land use planning	New constructions (buildings, roads, etc.) without proper excavation	Loss of materals of the mosaic	

#### DETERIORATION CAUSED BY ANIMALS AND PLANTS







Tree roots





Grass roots





Lichens





Tunnels and entrance holes made by animals



Bird excrement



Ant nests

#### **Deterioration Process**

Factors	Causes	& Examples	Examples of Mechanisms	Main Phenomena
		Atmospheric precipitation: rain, snow Water condensation / capillary rise	Salt crystallization due to wet-dry cycles	Efflorescence / Incrustations Deteriorated tesserae
	Climatic and environmental agents	Temperature and humidity variations	Contraction—dilatation cycles of materials	Bulges / Detachments Lacunae / cracks
		Marine salt / wind Water pooling / soil accumulation	Freeze-thaw cycles	Deteriorated tesserae Deteriorated mortar between tesserae
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Humar	Gratuitous, deliberate or accidental destruction	Vandalism, wars, etc. Theft of mosaic fragments Illegal excavations	Loss of materals of the mosaic	Deteriorated repair mortars Deteriorated support panels Stains
	Poor land use planning	New constructions (buildings, roads, etc.) without proper excavation	Loss of materals of the mosaic	







Landslide



Bulges, Detachments, Cracks, Lacunae, Detached Tesserae







Efflorescence, Damaged tesserae



DETERIORATION PHENOMENA

#### **Deterioration Process**

Factors	Causes	& Examples	Examples of Mechanisms	Main Phenomena
	Atmospheric precipitation: rain, snow Water condensation / capillary rise		Salt crystallization due to wet-dry cycles	Efflorescence / Incrustations Deteriorated tesserae
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Foot traffic

New constructions





Lack of maintenance





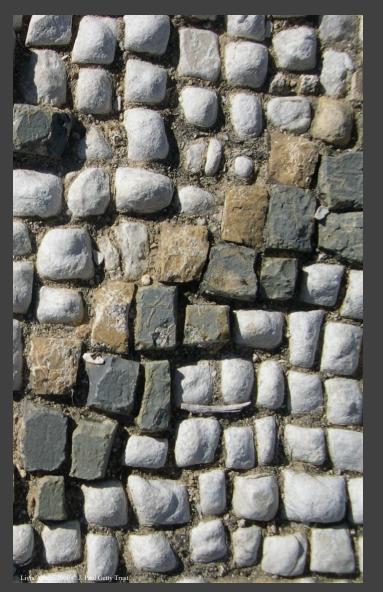
Poor intervention

## Particular deterioration phenomena due to the type and quality of the materials









Damaged Tesserae

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STRUCTURAL DETERIORATION  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges	ON	☐ Depressio		
SURFACE DETERIORATION  Detached tesserae  Deteriorated tesserae  Deteriorated mortar be		☐ Stains ☐ Incrustati ☐ Effloresce		
PRESENCE OF BIO-DETERIO  ☐ Micro-organisms ☐ Vegetation	RATION AGENTS			
DETERIORATION OF INTERV  Deteriorated lacunae fi edging repairs  Deteriorated mortar be Reburial:		☐ Deteriora☐ Deteriora		
	□ Loss of fill materials □ Deteriorated separ			
DETERIORATION OF INTERV ☐ Clogged drainage ☐ Stabilized walls with ne		MOSAIC  Deteriorated of Damaged according  Other:		
OBSERVATIONS ON THE CON	NDITION ASSESSMENT			
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STRUCTURAL DETERIORATI  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges	ON	☐ Depressio☐ Detachme		
SURFACE DETERIORATION  Detached tesserae  Deteriorated tesserae  Deteriorated mortar be		☐ Stains ☐ Incrustatio ☐ Effloresce		
PRESENCE OF BIO-DETERIO  ☐ Micro-organisms ☐ Vegetation	RATION AGENTS			
DETERIORATION OF INTERV Deteriorated lacunae fi edging repairs Deteriorated mortar be Reburial:		☐ Deterioration		
DETERIORATION OF INTERV  ☐ Clogged drainage ☐ Stabilized walls with ne	ENTIONS AROUND THE M			
OBSERVATIONS ON THE COI	NDITION ASSESSMENT			
GENERAL CONDITION OF TH  G  Date recommended (No intervention require  Date recommended (Intervention required)	ood for next inspection: <sub>d)</sub>	□ Fair	□ Bad	

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DATA FORM NO. 3 – CONDITION	N ASSESSMENT STUDY PHASE  MOSAIC ID//////
INSPECTION TYPE	on
PRESENT EXPOSURE CONDITIONS ☐ In open air ☐ Reburied ☐ Walked on ☐ Under a remov ☐ Parts not excavated or inaccessible	
During the initial inspection, check the boxes of all the deten only indicate new deterioration phenomena that have occu	ioration phenomena that are present. During maintenance cycles, rred since the last inspection or last intervention.
STRUCTURAL DETERIORATION  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges	(Condition Assessment Map No. 1) ☐ Depressions ☐ Detachments between mosaic layers
SURFACE DETERIORATION  ☐ Detached tesserae ☐ Deteriorated tesserae ☐ Deteriorated mortar between tesserae	(Condition Assessment Map No. 2)  ☐ Stains ☐ Incrustations ☐ Efflorescence
PRESENCE OF BIO-DETERIORATION AGENTS ☐ Micro-organisms ☐ Vegetation	(Condition Assessment Map No. 3) ☐ Tunnels or entrance holes made by insects and other animals
DETERIORATION OF INTERVENTIONS  Deteriorated lacunae fills or edging repairs Deteriorated mortar between tesserae Reburial: Description Deteriorated sepairs	
DETERIORATION OF INTERVENTIONS AROUND THE ☐ Clogged drainage ☐ Stabilized walls with new deterioration	MOSAIC  Deteriorated cover or shelter Damaged access barrier Other:
OBSERVATIONS ON THE CONDITION ASSESSMENT	
GENERAL CONDITION OF THE MOSAIC  Good  Date recommended for next inspection: (No intervention required)  Date recommended for intervention: (Intervention required)	





Subject to foot traffic



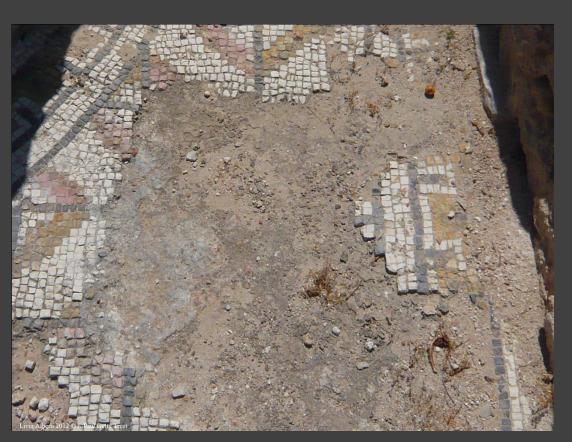


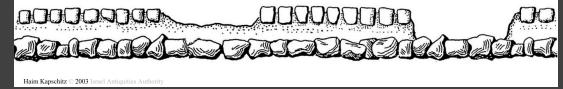
Under a temporary open shelter

DATA FORM NO. 3	- CONDITIO	N ASSESSM	ENT STUDY PHASE
INSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE CONDITION  ☐ In open air ☐ Walked on ☐ Parts not excavated or ina	☐ Reburied☐ Under a removaccessible		☐ Under an open shelter☐ Under a closed shelter
only indicate new deterioration phe			hat are present. During maintenance cycles, ection or last intervention.
STRUCTURAL DETERIORATION Tessellatum lacunae Cracks Bulges	I	☐ Depressi ☐ Detachm	(Condition Assessment Map No. 1) ons nents between mosaic layers
surface deterioration  Detached tesserae Deteriorated tesserae Deteriorated mortar betw	veen tesserae	☐ Stains ☐ Incrustat ☐ Effloresc	
PRESENCE OF BIO-DETERIORA  ☐ Micro-organisms ☐ Vegetation	TION AGENTS		
		☐ Deterioration	
DETERIORATION OF INTERVEN	ITIONS AROUND THE	MOSAIC	
☐ Clogged drainage☐ Stabilized walls with new		☐ Deteriorated☐ Damaged ac☐ Other:	
OBSERVATIONS ON THE COND	ITION ASSESSMENT		
GENERAL CONDITION OF THE Goo  Date recommended fo (No intervention required)  Date recommended fo	<b>d</b> r next inspection: _	□ Fair	□ Bad

#### Tessellatum lacunae

Part of a mosaic where the tesserae layer has been lost.





Different levels of lacunae in a mosaic

DATA FORM NO.	. 3 – CONDITIOI	N ASSESSN	IENT STUDY PHASE
INSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE COND	ITIONS		
☐ In open air	☐ Reburied		☐ Under an open shelter
☐ Walked on	☐ Under a remov		☐ Under a closed shelter
☐ Parts not excavated or			
During the initial inspection, che only indicate new deterioration			that are present. During maintenance cycles, pection or last intervention.
STRUCTURAL DETERIORAT	ION		(Condition Assessment Map No. 1
☐ Tessellatum lacunae		☐ Depress	· ·
<b>X</b> Cracks		Detachr	ments between mosaic layers
☐ Bulges			
SURFACE DETERIORATION			(Condition Assessment Map No. 2)
☐ Detached tesserae		☐ Stains	
☐ Deteriorated tesserae		☐ Incrusta	
☐ Deteriorated mortar b		☐ Efflores	
	DRATION AGENTS		
☐ Micro-organisms		☐ Tunnels	
☐ Vegetation			
DETERIORATION OF INTER			
☐ Deteriorated mortar b			
	☐ Presence of vegeta		
	☐ Loss of fill material		
	☐ Deteriorated separ		
DETERIORATION OF INTER	VENTIONS AROUND THE		
☐ Clogged drainage			
☐ Stabilized walls with n		☐ Damaged a	
		Other:	
OBSERVATIONS ON THE CO	NDITION ASSESSMENT		
GENERAL CONDITION OF T	HE MOSAIC		
	iood	☐ Fair	☐ Bad
☐ Date recommended (Intervention required)			

#### Cracks

Linear fissure visible on the surface of the mosaic that could also continue into the bedding layers.



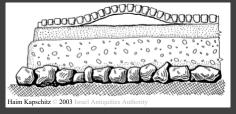


DATA FORM NO. 3 – CONDITION	A ASSESSMENT STUDY PHASE
INSPECTION TYPE	n 🚨 Maintenance cycle
PRESENT EXPOSURE CONDITIONS  ☐ In open air ☐ Reburied ☐ Walked on ☐ Under a remova ☐ Parts not excavated or inaccessible	☐ Under an open shelter able cover ☐ Under a closed shelter
During the initial inspection, check the boxes of all the deterionally indicate new deterioration phenomena that have occurr	oration phenomena that are present. During maintenance cycles, red since the last inspection or last intervention.
STRUCTURAL DETERIORATION  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges	(Condition Assessment Map No. 1)  Depressions  Detachments between mosaic layers
SURFACE DETERIORATION  ☐ Detached tesserae ☐ Deteriorated tesserae ☐ Deteriorated mortar between tesserae	(Condition Assessment Map No. 2)  ☐ Stains ☐ Incrustations ☐ Efflorescence
PRESENCE OF BIO-DETERIORATION AGENTS ☐ Micro-organisms ☐ Vegetation	(Condition Assessment Map No. 3) ☐ Tunnels or entrance holes made by insects and other animals
DETERIORATION OF INTERVENTIONS  Deteriorated lacunae fills or edging repairs  Deteriorated mortar between tesserae  Reburial: Dess of fill materials Deteriorated separa	
DETERIORATION OF INTERVENTIONS AROUND THE M ☐ Clogged drainage ☐ Stabilized walls with new deterioration	MOSAIC  Deteriorated cover or shelter Damaged access barrier Other:
OBSERVATIONS ON THE CONDITION ASSESSMENT	
GENERAL CONDITION OF THE MOSAIC Good Date recommended for next inspection: (No intervention required) Date recommended for intervention: (Intervention required)	□ Fair □ Bad

#### Bulges

An upward deformation of the mosaic above its original surface level.





Bulge with detachment

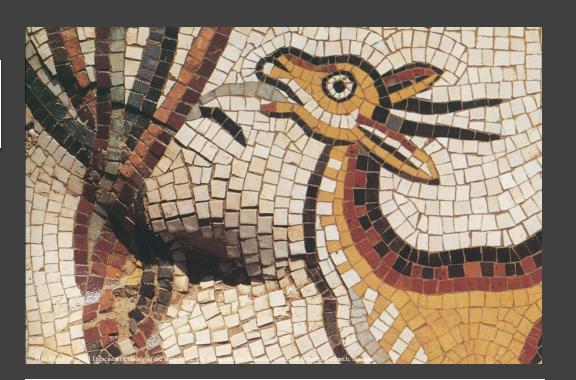


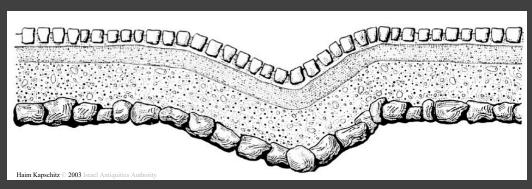
Bulge without detachment

DATA FORM NO. 3 – COND	DITION ASSESSMENT STUDY PHASE
INSPECTION TYPE  Initial i	nspection
☐ Parts not excavated or inaccessible	a removable cover Under a closed shelter
	l the deterioration phenomena that are present. During maintenance cycles, have occurred since the last inspection or last intervention.
STRUCTURAL DETERIORATION  Tessellatum lacunae Cracks Bulges	(Condition Assessment Map No. 1)  Depressions □ Detachments between mosaic layers
SURFACE DETERIORATION  Detached tesserae Deteriorated tesserae Deteriorated mortar between tessera	(Condition Assessment Map No. 2) ☐ Stains ☐ Incrustations ae ☐ Efflorescence
PRESENCE OF BIO-DETERIORATION AGENT ☐ Micro-organisms ☐ Vegetation	(Condition Assessment Map No. 3)  Tunnels or entrance holes made by insects and other animals
☐ Loss of fill	
DETERIORATION OF INTERVENTIONS AROU  ☐ Clogged drainage ☐ Stabilized walls with new deterioration	☐ Deteriorated cover or shelter
OBSERVATIONS ON THE CONDITION ASSES	SMENT
GENERAL CONDITION OF THE MOSAIC Good Date recommended for next inspection (No intervention required) Date recommended for intervention (Intervention required)	

#### Depressions

A downward deformation of the mosaic below its original surface level.



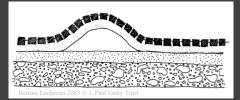


DATA FORM NO.	3 – CONDITION	ASSESSMENT STUDY PHASE
INSPECTION TYPE	☐ Initial inspection	n 🔲 Maintenance cycle
PRESENT EXPOSURE COND		
☐ In open air	☐ Reburied	Under an open shelter
☐ Walked on	☐ Under a remova	ible cover
☐ Parts not excavated or		
		oration phenomena that are present. During maintenance cycles, ed since the last inspection or last intervention.
STRUCTURAL DETERIORAT	ION	(Condition Assessment Map No. 1)
☐ Tessellatum lacunae		Depressions
☐ Cracks ☐ Bulges		Detachments between mosaic layers
SURFACE DETERIORATION		(Can distant Assessment Mary Ma. 2)
Detached tesserae		
Deteriorated tesserae		☐ Incrustations
☐ Deteriorated mortar b		
PRESENCE OF BIO-DETERIO	DRATION AGENTS	
☐ Vegetation		insects and other animals
DETERIORATION OF INTERV		(Condition Assessment Map No. 4)
☐ Deteriorated lacunae f edging repairs		☐ Re-detached tesserae ☐ Deteriorated support panels
Deteriorated mortar b		☐ Deteriorated support metal reinforcements
	☐ Loss of fill materials	
	☐ Deteriorated separa	
DETERIORATION OF INTERV	/ENTIONS AROUND THE M	
☐ Clogged drainage		☐ Deteriorated cover or shelter
☐ Stabilized walls with n		☐ Damaged access barrier
		□ Other:
OBSERVATIONS ON THE CO	NDITION ASSESSMENT	
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GENERAL CONDITION OF T		
		☐ Fair ☐ Bad
☐ Date recommended (Intervention required)		

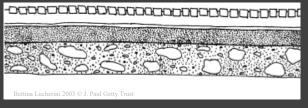
#### Detachments between mosaic layers

Separation or void between two layers of the mosaic. A detachment is generally not visible and can be detected by the corresponding hollow sound produced when it is tapped.





Detachment with bulge



Detachment without bulge

DATA FORM NO	3 – CONDITIO	N ASSESSM	ENT STUDY PHASE
INSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE COND	ITIONS		
☐ In open air	☐ Reburied		☐ Under an open shelter
☐ Walked on	☐ Under a remov		☐ Under a closed shelter
☐ Parts not excavated or			
STRUCTURAL DETERIORAT	ION		
☐ Tessellatum lacunae		☐ Depressi	
☐ Cracks		☐ Detachm	
<b>□</b> Bulges			
SURFACE DETERIORATION			(Condition Assessment Map No. 2
Detached tesserae		☐ Stains	
☐ Deteriorated tesserae		☐ Incrustat	
☐ Deteriorated mortar b	etween tesserae	☐ Effloresc	ence
	RATION AGENTS		
☐ Micro-organisms			
☐ Vegetation			
DETERIORATION OF INTER			
☐ Deteriorated lacunae			
Deteriorated mortar b			
	☐ Presence of vegeta		
	☐ Loss of fill material		
	☐ Deteriorated separ		
DETERIORATION OF INTER	VENTIONS AROUND THE		
☐ Clogged drainage			
Stabilized walls with n		☐ Damaged ac	
		Other:	
OBSERVATIONS ON THE CO	NDITION ASSESSMENT		
GENERAL CONDITION OF T			
	iood	☐ Fair	☐ Bad
☐ Date recommended (No intervention requir			
(Intervention required)			

#### Detached tesserae

Tessera that is still in its original place but no longer adheres to the bedding layer and therefore moves when lightly touched.







Tesserae detached from bedding layer with change of position (center)

Disaggregation of tesserae

Delamination of tesserae

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DATA FORM NO. 3 - CO	NDITION ASSESSME	NT STUDY PHASE
INSPECTION TYPE  Ini		☐ Maintenance cycle
		☐ Under an open shelter☐ Under a closed shelter
STRUCTURAL DETERIORATION  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges	☐ Depression☐ Detachme	
SURFACE DETERIORATION  ☐ Detached tesserae ☐ Deteriorated tesserae ☐ Deteriorated mortar between te	☐ Stains☐ Incrustationsserae☐ Efflorescer	
PRESENCE OF BIO-DETERIORATION AC  ☐ Micro-organisms  ☐ Vegetation	☐ Tunnels or	(Condition Assessment Map No. 3) r entrance holes made by d other animals
□ Loss o		
DETERIORATION OF INTERVENTIONS A  ☐ Clogged drainage ☐ Stabilized walls with new deterior	☐ Deteriorated c	
OBSERVATIONS ON THE CONDITION A	SSESSMENT	
GENERAL CONDITION OF THE MOSAIC Good Date recommended for next i (No intervention required) Date recommended for intervention required)	☐ Fair nspection:	□ Bad

#### Deteriorated mortar between tesserae

Mortar located in the interstices between the tesserae that is lost or no longer in good condition.





DATA FORM NO	3 – CONDITIO	N ASSESSM	ENT STU	DY PHASE
NSPECTION TYPE	☐ Initial inspecti		☐ Maintenance cycle	
RESENT EXPOSURE COND	ITIONS			
☐ In open air	☐ Reburied		Under an open shelt	
☐ Walked on	☐ Under a remo		☐ Under a closed shelt	
☐ Parts not excavated or				
STRUCTURAL DETERIORAT	ION			
☐ Tessellatum lacunae		□ Depress		
☐ Cracks		☐ Detachn		
<b>☐</b> Bulges				
SURFACE DETERIORATION			(Condition Assessment N	1ap No. 2)
☐ Detached tesserae		Stains		
Deteriorated tesserae	-4	☐ Incrusta ☐ Effloresc		
☐ Deteriorated mortar b	etween tesserae	□ Eπioresc	ence	
	PRATION AGENTS			
☐ Micro-organisms				
☐ Vegetation				
DETERIORATION OF INTER	VENTIONS			
Deteriorated lacunae		☐ Re-deta		
Deteriorated mortar b		☐ Deterior		
	☐ Presence of veget			
	Loss of fill materia			
	☐ Deteriorated sepa			
DETERIORATION OF INTER	VENTIONS AROUND THE	MOSAIC		
☐ Clogged drainage		☐ Deteriorated		
Stabilized walls with n		☐ Damaged ac		
		Other:		
DBSERVATIONS ON THE CO	NDITION ASSESSMENT			
GENERAL CONDITION OF T	HE MOSAIC			
	iood	☐ Fair	☐ Bad	
☐ Date recommended				
☐ Date recommended				

#### Stains

Localized changes in color of the mosaic surface.





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DATA FORM NO	D. 3 – CONDITIO	N ASSESSMENT STUDY PHASE
INSPECTION TYPE	☐ Initial inspection	on
PRESENT EXPOSURE CON ☐ In open air ☐ Walked on ☐ Parts not excavated	☐ Reburied☐ Under a remov	☐ Under an open shelter vable cover ☐ Under a closed shelter
STRUCTURAL DETERIORA  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges		(Condition Assessment Map No. 1) ☐ Depressions ☐ Detachments between mosaic layers
SURFACE DETERIORATIO  Detached tesserae  Deteriorated tessera  Deteriorated mortar	e	(Condition Assessment Map No. 2)  ☐ Stains ☐ Incrustations ☐ Efflorescence
PRESENCE OF BIO-DETER  ☐ Micro-organisms ☐ Vegetation	NORATION AGENTS	(Condition Assessment Map No. 3) ☐ Tunnels or entrance holes made by insects and other animals
DETERIORATION OF INTE  Deteriorated lacunal edging repairs  Deteriorated mortar Reburial:		
DETERIORATION OF INTE  ☐ Clogged drainage ☐ Stabilized walls with	RVENTIONS AROUND THE	MOSAIC  ☐ Deteriorated cover or shelter ☐ Damaged access barrier ☐ Other:
OBSERVATIONS ON THE (	CONDITION ASSESSMENT	
☐ Date recommend (No intervention requ	Good  ed for next inspection: _ iired)  ed for intervention:	□ Fair □ Bad

#### Incrustations

Mineral crust of variable thickness and area that is often hard and compact, located on the surface of the mosaic.





INSPECTION TYPE	☐ Initial inspection	on	
PRESENT EXPOSURE COND	TIONS		
☐ In open air	☐ Reburied	☐ Under an open shelter	
☐ Walked on	☐ Under a remov	able cover Under a closed shelter	
Parts not excavated or			
STRUCTURAL DETERIORATI	ON		
☐ Tessellatum lacunae		☐ Depressions	
☐ Cracks		☐ Detachments between mosaic layers	
☐ Bulges			
SURFACE DETERIORATION		(Condition Assessment Map	No. 2,
Detached tesserae		☐ Stains	
Deteriorated tesserae		☐ Incrustations	
☐ Deteriorated mortar b	etween tesserae	Efflorescence	
	RATION AGENTS		
☐ Micro-organisms		☐ Tunnels or entrance holes made by	
☐ Vegetation			
DETERIORATION OF INTERV	ENTIONS		
Deteriorated lacunae f		☐ Re-detached tesserae	
		☐ Deteriorated support panels	
Deteriorated mortar b		☐ Deteriorated support metal reinforce	
	☐ Presence of veget		
	☐ Loss of fill materia		
	☐ Deteriorated sepa		
DETERIORATION OF INTER\	ENTIONS AROUND THE		
☐ Clogged drainage		☐ Deteriorated cover or shelter	
Stabilized walls with no		☐ Damaged access barrier	
		Other:	
OBSERVATIONS ON THE CO	NDITION ASSESSMENT		
GENERAL CONDITION OF TI	HE MOSAIC		
□G	ood	□ Fair □ Bad	
☐ Date recommended			
(No intervention required)  Date recommended (Intervention required)			

#### Efflorescence

Generally a white and crystalline substance, which adheres loosely to the mosaic surface, and is powder-like in appearance.





INSPECTION TYPE	☐ Initial inspection		☐ Maintenance	
PRESENT EXPOSURE CON	DITIONS			
☐ In open air	☐ Reburied		☐ Under an ope	
☐ Walked on	☐ Under a remova		☐ Under a close	
☐ Parts not excavated of				
STRUCTURAL DETERIORA	TION			
☐ Tessellatum lacunae		Depression		
☐ Cracks		☐ Detachm		
☐ Bulges			(C. 1):	
SURFACE DETERIORATION	N	D.Corina		
<ul><li>□ Detached tesserae</li><li>□ Deteriorated tesserae</li></ul>		☐ Stains ☐ Incrustati		
☐ Deteriorated mortar		☐ Effloresce		
		<u> Linorese</u>		
PRESENCE OF BIO-DETER	IORATION AGENTS	D.T	(Condition Assess	-
Micro-organisms			or entrance holes m nd other animals	ade by
☐ Vegetation		insects a		
Deteriorated lacunae		□ Do dotos		
edging repairs				
Deteriorated mortar				
Reburial:	☐ Presence of vegetati			
	Loss of fill materials			
	Deteriorated separa			
	DVENTIONS ADOLIND THE M			
	RVENTIONS AROUND THE M			
☐ Clogged drainage		☐ Deteriorated		
☐ Clogged drainage		☐ Deteriorated☐ Damaged acc		
☐ Clogged drainage☐ Stabilized walls with☐		☐ Deteriorated☐ Damaged acc		
☐ Clogged drainage☐ Stabilized walls with☐		☐ Deteriorated☐ Damaged acc		
☐ Clogged drainage ☐ Stabilized walls with  OBSERVATIONS ON THE C	new deterioration CONDITION ASSESSMENT THE MOSAIC	☐ Deteriorated☐ Damaged acc☐ Other:		
□ Clogged drainage □ Stabilized walls with  OBSERVATIONS ON THE C	new deterioration  CONDITION ASSESSMENT  THE MOSAIC  Good ed for next inspection:	□ Deteriorated □ Damaged acc □ Other:		
□ Clogged drainage □ Stabilized walls with  OBSERVATIONS ON THE COMMENT OF C	new deterioration  CONDITION ASSESSMENT  THE MOSAIC  Good ed for next inspection:	□ Deteriorated □ Damaged acc □ Other:		

### Micro-organisms

Small organisms varying in color and shape, alive or dead, such as algae, lichens, and mosses that adhere to the mosaic surface.





Lichens



Mosses

INSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE CONDI	TIONS		
☐ In open air	Reburied		☐ Under an open shelter
☐ Parts not excavated or			
STRUCTURAL DETERIORATI	ON		
		☐ Depressi	
☐ Bulges			
SURFACE DETERIORATION			(Condition Assessment Map No. 2
☐ Detached tesserae		☐ Stains	
☐ Deteriorated tesserae		☐ Incrustat	
Deteriorated mortar be		☐ Effloresc	
PRESENCE OF BIO-DETERIO  ☐ Micro-organisms  ☑ Vegetation	RATION AGENTS		(Condition Assessment Map No or entrance holes made by and other animals
DETERIORATION OF INTERV	FNTIONS		(Condition Assessment Map No. 4
☐ Deteriorated mortar be			
Reburial:	Presence of vegeta		
	Loss of fill material		
	Deteriorated separ		
	□ Deteriorated sepai		
DETERIORATION OF INTERV	ENTIONS AROUND THE		
☐ Clogged drainage			
Stabilized walls with ne		☐ Damaged ac	
		Other:	
OBSERVATIONS ON THE CO	NDITION ASSESSMENT		
GENERAL CONDITION OF TI	HE MOSAIC		
	HE MOSAIC ood	□ Fair	□ Bad
☐ <b>G</b> ☐ Date recommended	ood for next inspection: _		□ Bad
□G	ood for next inspection: _ d)		□ Bad

#### Vegetation

Plants such as grasses, weeds, bushes, as well as trees and their associated roots growing under, inside, or on top of the mosaic.





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NSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE COND	DITIONS		
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☐ Walked on	☐ Under a removab		☐ Under a closed shelter
☐ Parts not excavated or			
STRUCTURAL DETERIORAT	TION		
☐ Tessellatum lacunae		Depressi	
☐ Cracks		☐ Detachm	
<b>□</b> Bulges			
SURFACE DETERIORATION			
Detached tesserae		☐ Stains	
Deteriorated tesserae		☐ Incrustat	
☐ Deteriorated mortar b	between tesserae	☐ Effloresco	ence
PRESENCE OF BIO-DETERIO	ORATION AGENTS		(Condition Assessment Map No
☐ Micro-organisms		<b>X</b> Tunnels of	or entrance holes made by
☐ Vegetation		insects a	nd other animals
DETERIORATION OF INTER			
☐ Deteriorated lacunae			
Deteriorated mortar b		☐ Deteriora	
	☐ Presence of vegetation	☐ Deteriora	
Deteriorated mortar b	☐ Presence of vegetation☐ Loss of fill materials	☐ Deteriora on	
Deteriorated mortar b	☐ Presence of vegetation	☐ Deteriora on	
☐ Deteriorated mortar b Reburial: DETERIORATION OF INTER	☐ Presence of vegetatio ☐ Loss of fill materials ☐ Deteriorated separat  VENTIONS AROUND THE MO	□ Deteriora on ion membrane OSAIC	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate  VENTIONS AROUND THE MO	☐ Deterioration  ion membrane  DSAIC ☐ Deteriorated	
☐ Deteriorated mortar b Reburial: DETERIORATION OF INTER	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate  VENTIONS AROUND THE MORE  new deterioration	Deterioration  ion membrane  DSAIC Deteriorated Damaged acc	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate  VENTIONS AROUND THE MORE  new deterioration	☐ Deterioration  ion membrane  DSAIC ☐ Deteriorated	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate VENTIONS AROUND THE MORE TH	Deterioration  ion membrane  DSAIC Deteriorated Damaged acc	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage ☐ Stabilized walls with n	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate VENTIONS AROUND THE MORE TH	Deterioration  ion membrane  DSAIC Deteriorated Damaged acc	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage ☐ Stabilized walls with n	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate VENTIONS AROUND THE MORE TH	Deterioration  ion membrane  DSAIC Deteriorated Damaged acc	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage ☐ Stabilized walls with n	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate VENTIONS AROUND THE MORE TH	Deterioration  ion membrane  DSAIC Deteriorated Damaged acc	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage ☐ Stabilized walls with n	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate VENTIONS AROUND THE MORE TH	Deterioration  ion membrane  DSAIC Deteriorated Damaged acc	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage ☐ Stabilized walls with n	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate VENTIONS AROUND THE MORE TH	Deterioration  ion membrane  DSAIC Deteriorated Damaged acc	
☐ Deteriorated mortar be Reburial:  DETERIORATION OF INTER ☐ Clogged drainage ☐ Stabilized walls with no DESERVATIONS ON THE CO	☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separate VENTIONS AROUND THE MOTERIAL OF THE MOTERIAL OF THE MOTERIAL OF THE MOSAIC	Deterioration  ion membrane  DSAIC Deteriorated Damaged acc	
Deteriorated mortar be Reburial:  DETERIORATION OF INTER Clogged drainage Stabilized walls with no OBSERVATIONS ON THE CO	Presence of vegetation Loss of fill materials Deteriorated separate  VENTIONS AROUND THE MORE  NEW deterioration  ONDITION ASSESSMENT  THE MOSAIC  Good  d for next inspection:	☐ Deterioration  ion membrane  DSAIC ☐ Deteriorated ☐ Damaged acc ☐ Other: ☐ Fair	
Deteriorated mortar be Reburial:  DETERIORATION OF INTER Clogged drainage Stabilized walls with no DESERVATIONS ON THE CO	Presence of vegetation Loss of fill materials Deteriorated separate  VENTIONS AROUND THE MORE  NEW deterioration  ONDITION ASSESSMENT  THE MOSAIC  Good  d for next inspection:	☐ Deterioration  ion membrane  DSAIC ☐ Deteriorated ☐ Damaged acc ☐ Other: ☐ Fair	

Tunnels or entrance holes made by insects or other animals

An area of the mosaic where insects or other animals have burrowed.





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INSPECTION TYPE	☐ Initial inspection		☐ Maintenanc	
PRESENT EXPOSURE COND				
☐ Parts not excavated or				
STRUCTURAL DETERIORAT	ION			
☐ Tessellatum lacunae		Depression		
☐ Cracks		☐ Detachm		
☐ Bulges				
SURFACE DETERIORATION				
☐ Detached tesserae		Stains		
☐ Deteriorated tesserae		☐ Incrustati		
Deteriorated mortar b		☐ Effloresce		
	DRATION AGENTS			
☐ Micro-organisms		□ Tunnels o		
☐ Vegetation		insects ar	nd other animals	
DETERIORATION OF INTER			nd other animals (Condition Asse	ssment Map No. 4)
DETERIORATION OF INTERN Deteriorated lacunae f		☐ Re-detacl	nd other animals (Condition Asse. hed tesserae	ssment Map No. 4)
DETERIORATION OF INTERV Deteriorated lacunae f edging repairs	îlls or	☐ Re-detacl	nd other animals (Condition Asse. hed tesserae ited support pane	ssment Map No. 4)
DETERIORATION OF INTERN Deteriorated lacunae f edging repairs Deteriorated mortar b	ills or etween tesserae	☐ Re-detacl ☐ Deteriora ☐ Deteriora	nd other animals (Condition Asse. hed tesserae	ssment Map No. 4)
DETERIORATION OF INTERV Deteriorated lacunae f edging repairs	ills or etween tesserae Presence of vegetat	☐ Re-detacl☐ Deteriora☐ Deteriora	nd other animals (Condition Asse. hed tesserae ited support pane	ssment Map No. 4)
DETERIORATION OF INTERN Deteriorated lacunae f edging repairs Deteriorated mortar b	etween tesserae  Presence of vegetat  Coss of fill materials	☐ Re-detacl ☐ Deteriora ☐ Deteriora	(Condition Asse (Condition Asse hed tesserae Ited support pane Ited support meta	ssment Map No. 4)
DETERIORATION OF INTERN Deteriorated lacunae f edging repairs Deteriorated mortar b Reburial:	etween tesserae  Presence of vegetat  Coss of fill materials  Deteriorated separa	☐ Re-detact ☐ Deteriora ☐ Deteriora ☐ Deteriora ion	(Condition Asse (Condition Asse hed tesserae Ited support pane Ited support meta	ssment Map No. 4)
DETERIORATION OF INTERN Deteriorated lacunae f edging repairs Deteriorated mortar b Reburial:	etween tesserae  Presence of vegetat  Coss of fill materials  Deteriorated separa	☐ Re-detacl ☐ Deteriora ☐ Deteriora ion tion membranes	(Condition Asse. (Condition Asse. hed tesserae ited support pane ited support meta	ssment Map No. 4)
DETERIORATION OF INTERN Deteriorated lacunae f edging repairs Deteriorated mortar b Reburial:  DETERIORATION OF INTERN Clogged drainage	etween tesserae  Presence of vegetat  Coss of fill materials  Deteriorated separa	☐ Re-detacl ☐ Deteriora ☐ Deteriora ion tion membranes OSAIC ☐ Deteriorated	(Condition Asset hed tesserae ited support pane ited support meta	ssment Map No. 4)
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DETERIORATION OF INTERVENCE Deteriorated lacunae fredging repairs Deteriorated mortar be Reburial:  DETERIORATION OF INTERVENCE Clogged drainage Stabilized walls with new Company of the	etween tesserae  Presence of vegetat  Loss of fill materials  Deteriorated separa  VENTIONS AROUND THE M  ew deterioration  NDITION ASSESSMENT  HE MOSAIC  ood  I for next inspection:	Re-detacl Deteriora Deteriora ion tion membranes  OSAIC Deteriorated Damaged acco Other:	(Condition Asserbed tesserae steed support metal support m	ssment Map No. 4)
DETERIORATION OF INTERVENCE Deteriorated lacunae fredging repairs Deteriorated mortar by Reburial:  DETERIORATION OF INTERVENCE Clogged drainage Stabilized walls with not compare the compared to the compare	etween tesserae  Presence of vegetat  Loss of fill materials  Deteriorated separa  VENTIONS AROUND THE M  ew deterioration  NDITION ASSESSMENT  HE MOSAIC  ood  I for next inspection:	Re-detacl Deteriora Deteriora ion tion membranes  OSAIC Deteriorated Damaged acco Other:	(Condition Asserbed tesserae steed support metal support m	ssment Map No. 4)

#### Deteriorated lacunae fills or edging repairs

Lacuna fill or edging repair between tesserae in poor condition, presenting cracks, erosion or other types of damage.





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#### Deteriorated mortar between tesserae

Mortar fill between tesserae in poor condition, presenting cracks, erosion, or other types of damage.





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NSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE COND	ITIONS		
☐ In open air	☐ Reburied		Under an open shelter
☐ Walked on	Under a removal		☐ Under a closed shelter
☐ Parts not excavated or			
STRUCTURAL DETERIORAT  Tessellatum lacunae	ON	D.D	
		☐ Depres	
□ Cracks □ Bulges		<b>□</b> Detach	
SURFACE DETERIORATION			
Detached tesserae			
Deteriorated tesserae		☐ Incrusta	
☐ Deteriorated tesserae ☐ Deteriorated mortar b		□ Efflores	
■ Deteriorated mortar b		Emiores	
PRESENCE OF BIO-DETERIO	DRATION AGENTS		
☐ Micro-organisms		☐ Tunnels	
☐ Vegetation			
DETERIORATION OF INTERV	VENTIONS		(Condition Assessment Map No. 4)
☐ Deteriorated lacunae f	fills or	<b>K</b> Re-deta	ached tesserae
edging repairs		~~	rated support panels
☐ Deteriorated mortar b	etween tesserae		orated support metal reinforcements
Reburial:	☐ Presence of vegetati		
	☐ Loss of fill materials		
	☐ Deteriorated separa		
	☐ Deteriorated separated separated Deteriorated Separated National Properties of the Manager of		
☐ Clogged drainage	☐ Deteriorated separa	tion membran <b>osaic</b> Deteriorate	
	□ Deteriorated separa  VENTIONS AROUND THE M  ew deterioration	tion membran <b>osaic</b> Deteriorate Damaged a	
☐ Clogged drainage	□ Deteriorated separa  VENTIONS AROUND THE M  ew deterioration	tion membran <b>osaic</b> Deteriorate	
☐ Clogged drainage	□ Deteriorated separa  VENTIONS AROUND THE M  Lew deterioration	tion membran <b>osaic</b> Deteriorate Damaged a	
☐ Clogged drainage ☐ Stabilized walls with n	□ Deteriorated separa  VENTIONS AROUND THE M  Lew deterioration	tion membran <b>osaic</b> Deteriorate Damaged a	
☐ Clogged drainage ☐ Stabilized walls with n	□ Deteriorated separa  VENTIONS AROUND THE M  Lew deterioration	tion membran <b>osaic</b> Deteriorate Damaged a	
☐ Clogged drainage ☐ Stabilized walls with n	□ Deteriorated separa  VENTIONS AROUND THE M  Lew deterioration	tion membran <b>osaic</b> Deteriorate Damaged a	
☐ Clogged drainage ☐ Stabilized walls with n	□ Deteriorated separa  VENTIONS AROUND THE M  Lew deterioration	tion membran <b>osaic</b> Deteriorate Damaged a	
☐ Clogged drainage☐ Stabilized walls with n☐ Clogged Discours on THE CO	□ Deteriorated separa  VENTIONS AROUND THE M  ew deterioration  ONDITION ASSESSMENT	tion membran <b>osaic</b> Deteriorate Damaged a	
☐ Clogged drainage ☐ Stabilized walls with n  DBSERVATIONS ON THE CO	Deteriorated separa  VENTIONS AROUND THE M  ew deterioration  ONDITION ASSESSMENT  HE MOSAIC	tion membran  OSAIC  Deteriorate  Damaged a  Other:	
☐ Clogged drainage ☐ Stabilized walls with n  DBSERVATIONS ON THE CO	Deteriorated separa  VENTIONS AROUND THE M  ew deterioration  ONDITION ASSESSMENT  THE MOSAIC  GOOD	tion membran  OSAIC  Deteriorate  Damaged a  Other:	
Clogged drainage Clogged walls with n DESERVATIONS ON THE CO	Deteriorated separary  VENTIONS AROUND THE M  LEW deterioration  ONDITION ASSESSMENT  HE MOSAIC  Good  d for next inspection:	tion membran  OSAIC  Deteriorate  Damaged a  Other:	
☐ Clogged drainage ☐ Stabilized walls with n  DBSERVATIONS ON THE CO	Deteriorated separary  VENTIONS AROUND THE M  LEW deterioration  ONDITION ASSESSMENT  HE MOSAIC  Good  d for next inspection:	tion membran  OSAIC  Deteriorate  Damaged a  Other:	

#### Re-detached tesserae or detached tesserae of a lifted and re-laid mosaic

Tesserae already reset during a previous intervention that are no longer adhered, or detached tesserae from a section of the mosaic that has been lifted and re-laid on a new support.





DATA FORM NO.	3 – CONDITION	<b>ASSESSM</b>	ENT STUDY PHA
INSPECTION TYPE	☐ Initial inspectio		☐ Maintenance cycle
PRESENT EXPOSURE CONDIT  ☐ In open air ☐ Walked on ☐ Parts not excavated or i	☐ Reburied ☐ Under a remova		☐ Under an open shelter☐ Under a closed shelter
STRUCTURAL DETERIORATIO  ☐ Tessellatum lacunae  ☐ Cracks ☐ Bulges	N	☐ Depressi	
SURFACE DETERIORATION  Detached tesserae  Deteriorated tesserae  Deteriorated mortar be		☐ Stains ☐ Incrustat ☐ Effloresc	
PRESENCE OF BIO-DETERIOR  ☐ Micro-organisms ☐ Vegetation	RATION AGENTS		
DETERIORATION OF INTERV ☐ Deteriorated lacunae fil edging repairs ☐ Deteriorated mortar be	ls or	Deterior	(Condition Assessment Map No. thed tesserae ated support panels ated support metal reinforcemen
	<ul><li>□ Presence of vegeta</li><li>□ Loss of fill materials</li><li>□ Deteriorated separa</li></ul>		
DETERIORATION OF INTERVI ☐ Clogged drainage ☐ Stabilized walls with ne			
OBSERVATIONS ON THE COM	IDITION ASSESSMENT		
GENERAL CONDITION OF TH		☐ Fair	□ Bad

## Deteriorated support panels

**Deformed support panel:** Modern support panel of a re-laid mosaic whose shape has changed, part of its surface being located above or below its original level.





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DATA FORM NO.				STUDY PHASI
INSPECTION TYPE	☐ Initial inspection		AIC ID///_  Maintenance cy	
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PRESENT EXPOSURE COND				
In open air	Reburied		Under an open	
☐ Walked on	☐ Under a remova		☐ Under a closed	
☐ Parts not excavated or				
STRUCTURAL DETERIORAT	ION			
☐ Tessellatum lacunae		Depressi		
<b>☐</b> Bulges				
SURFACE DETERIORATION				
PRESENCE OF BIO-DETERIO	DRATION AGENTS			
☐ Micro-organisms		☐ Tunnels		
☐ Vegetation				
DETERIORATION OF INTER	/ENTIONS		(Condition Assessm	ent Map No. 4
☐ Deteriorated lacunae f	ills or	☐ Re-detac	hed tesserae	
edging repairs		☐ Deterior	ated support panels	
☐ Deteriorated mortar b	etween tesserae	<b>A</b>	ated support metal re	inforcements
	☐ Presence of vegetat			
	☐ Loss of fill materials			
	☐ Deteriorated separa			
DETERIORATION OF INTER	/ENTIONS APOUND THE A			
Clogged drainage				
		☐ Damaged ac		
■ Stabilized Walls With H		Other:		
		u Otner:		
OBSERVATIONS ON THE CO	NDITION ASSESSMENT			
GENERAL CONDITION OF T	HE MOSAIC			
	ood	☐ Fair	☐ Bad	
☐ Date recommended				
☐ Date recommended				

# Deteriorated support metal reinforcements

Structural reinforcement of a support of a re-laid mosaic that is in poor condition.



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DATA FORM NO. 3	- CONDITION	<b>ASSESSM</b>	ENT STUDY PHASI
INSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE CONDITI			
☐ In open air	☐ Reburied		☐ Under an open shelter
☐ Walked on	☐ Under a removal		Under a closed shelter
☐ Parts not excavated or in			
STRUCTURAL DETERIORATIO	u		
☐ Tessellatum lacunae		Depressi	
☐ Cracks		☐ Detachm	
<b>□</b> Bulges			
SURFACE DETERIORATION			
☐ Detached tesserae		Stains	
☐ Deteriorated tesserae		☐ Incrustat	
☐ Deteriorated mortar bet		☐ Effloresco	
PRESENCE OF BIO-DETERIOR	ATION AGENTS		
☐ Micro-organisms		☐ Tunnels o	
☐ Vegetation			
DETERIORATION OF INTERVE	NTIONS		
Deteriorated lacunae fills		☐ Re-detac	
		Deteriora	
Deteriorated mortar bet	ween tesserae		ated support metal reinforcements
	Presence of vegetati	ion	
•	Loss of fill materials		
	☐ Deteriorated separa		S
DETERIORATION OF INTERVE			
Clogged drainage			
☐ Stabilized walls with new		☐ Damaged acc	
		Other:	
OBSERVATIONS ON THE CON	DITION ASSESSMENT		
GENERAL CONDITION OF THE			
☐ Goo		☐ Fair	☐ Bad
☐ Date recommended for (No intervention required)			



Presence of vegetation and loss of fill materials

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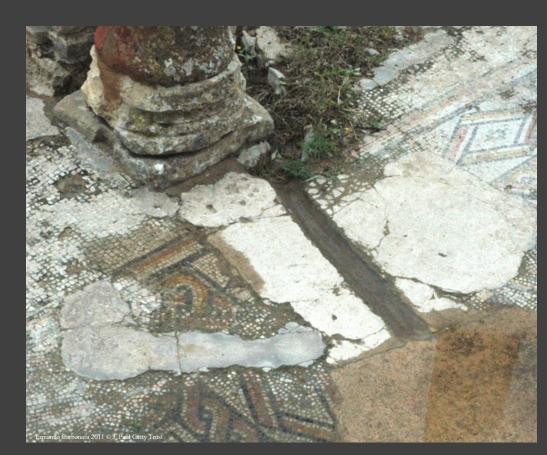
DATA FORM NO. 3 -	- CONDITION	ASSESSME	NT	STUDY PHASE
MOSAIC ID//				
INSPECTION TYPE	☐ Initial inspection		☐ Maintenance o	
PRESENT EXPOSURE CONDITION ☐ In open air ☐ Walked on ☐ Parts not excavated or inac	☐ Reburied☐ Under a removal		☐ Under an oper☐ Under a closed	
STRUCTURAL DETERIORATION  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges		☐ Depression☐ Detachmer		
SURFACE DETERIORATION  ☐ Detached tesserae ☐ Deteriorated tesserae ☐ Deteriorated mortar between		☐ Stains ☐ Incrustation ☐ Efflorescen		
PRESENCE OF BIO-DETERIORATI  ☐ Micro-organisms ☐ Vegetation	ION AGENTS	☐ Tunnels or		
<b>₩</b> I		☐ Re-detache☐ Deteriorate☐ Deteriorate	(Condition Assessr ed tesserae ed support panels ed support metal r	
DETERIORATION OF INTERVENT  Clogged drainage Stabilized walls with new d	IONS AROUND THE MI			
OBSERVATIONS ON THE CONDIT	ION ASSESSMENT			
GENERAL CONDITION OF THE M  Good  Date recommended for (No intervention required)  Date recommended for (Intervention required)		⊒ Fair	□ Bad	



Deteriorated separation membranes

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MOSAIC ID////
PRESENT EXPOSURE CONDITIONS
☐ In open air ☐ Reburied ☐ Under an open shelter
☐ Walked on ☐ Under a removable cover ☐ Under a closed shelter ☐ Parts not excavated or inaccessible
STRUCTURAL DETERIORATION (Condition Assessment Map N  ☐ Tessellatum lacunae ☐ Depressions
☐ Cracks ☐ Detachments between mosaic layers ☐ Bulges
SURFACE DETERIORATION (Condition Assessment Map N
☐ Detached tesserae ☐ Stains
☐ Deteriorated tesserae ☐ Incrustations
☐ Deteriorated mortar between tesserae ☐ Efflorescence
PRESENCE OF BIO-DETERIORATION AGENTS (Condition Assessment Map N
☐ Micro-organisms ☐ Tunnels or entrance holes made by
☐ Vegetation insects and other animals
DETERIORATION OF INTERVENTIONS (Condition Assessment Map N
☐ Deteriorated lacunae fills or ☐ Re-detached tesserae
edging repairs
☐ Deteriorated mortar between tesserae ☐ Deteriorated support metal reinforceme
Reburial: ☐ Presence of vegetation
☐ Loss of fill materials
☐ Deteriorated separation membranes
DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC
☐ Clogged drainage ☐ Deteriorated cover or shelter
☐ Stabilized walls with new deterioration ☐ Damaged access barrier
☐ Other:
OBSERVATIONS ON THE CONDITION ASSESSMENT
GENERAL CONDITION OF THE MOSAIC
□ Good □ Fair □ Bad
□ Date recommended for next inspection:





Clogged drainage

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DATA FORM NO. 3	- CONDITION A	ASSESSMENT STUDY PHA	
INSPECTION TYPE	☐ Initial inspection	☐ Maintenance cycle	
PRESENT EXPOSURE CONDITIO  ☐ In open air ☐ Walked on ☐ Parts not excavated or inace	☐ Reburied☐ Under a removable	☐ Under an open shelter e cover ☐ Under a closed shelter	
STRUCTURAL DETERIORATION  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges		(Condition Assessment Map No. ☐ Depressions ☐ Detachments between mosaic layers	
SURFACE DETERIORATION  Detached tesserae Deteriorated tesserae Deteriorated mortar between		(Condition Assessment Map No. ☐ Stains ☐ Incrustations ☐ Efflorescence	
PRESENCE OF BIO-DETERIORAT  ☐ Micro-organisms ☐ Vegetation	TION AGENTS	(Condition Assessment Map No. ☐ Tunnels or entrance holes made by insects and other animals	
ם			
DETERIORATION OF INTERVENT  Clogged drainage  Stabilized walls with new o	deterioration $\Box$	SAIC   Deteriorated cover or shelter   Damaged access barrier   Other:	
OBSERVATIONS ON THE CONDI	TION ASSESSMENT		
GENERAL CONDITION OF THE N GOOD Date recommended for (No intervention required) Date recommended for (Intervention required)	next inspection:	Fair ☐ Bad	



Stabilized walls with new deterioration

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INSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE CONI			
	Reburied		☐ Under an open shelter
☐ Parts not excavated o			
STRUCTURAL DETERIORA			
☐ Bulges		Detacii	
SURFACE DETERIORATION			
☐ Detached tesserae		☐ Stains	
Deteriorated tesserae		☐ Incrusta	
Deteriorated mortar l		☐ Efflores	
PRESENCE OF BIO-DETERI	ORATION AGENTS		
☐ Micro-organisms		☐ Tunnels	
☐ Vegetation			
DETERIORATION OF INTER			
Deteriorated lacunae fills or			
Deteriorated mortar l			
	☐ Presence of vegetat		
	☐ Loss of fill materials		
	☐ Deteriorated separa		
DETERIORATION OF INTER	RVENTIONS AROUND THE N	IOSAIC	
Clogged drainage		~ ~	d cover or shelter
☐ Stabilized walls with r	new deterioration	☐ Damaged a	
		☐ Other:	
OBSERVATIONS ON THE C			
GENERAL CONDITION OF	THE MOSAIC		
	Good	☐ Fair	☐ Bad
☐ Date recommende			
(Intervention required)			





Deteriorated cover or shelter

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PRESENT EXPOSURE CONDITIONS  In open air Reburied Dunder a removable cover During the initial inspection, check the boxes of all the deterioration phenomena that are gonly indicate new deterioration phenomena that have occurred since the last inspection of STRUCTURAL DETERIORATION (Condition of Detachments by Depressions Detachments by Depressions Detachments by D	
□ In open air □ Reburied □ Under a removable cover □ U Walked on □ Under a removable cover □ U Parts not excavated or inaccessible    During the initial inspection, check the boxes of all the deterioration phenomena that are gonly indicate new deterioration phenomena that have occurred since the last inspection or STRUCTURAL DETERIORATION (Cor. □ Tessellatum lacunae □ Depressions □ Detachments businesses □ Detachments businesses □ Detached tesserae □ Stains □ Detached tesserae □ Stains □ Deteriorated mortar between tesserae □ Incrustations □ Efflorescence    PRESENCE OF BIO-DETERIORATION AGENTS □ Tunnels or entrial insects and oth Deteriorated lacunae fills or □ Re-detached tested in insects and oth Deteriorated lacunae fills or □ Re-detached tested in Deteriorated mortar between tesserae □ Deteriorated standard in Deteriorated mortar between tesserae □ Deteriorated standard in Deteriorated mortar between tesserae □ Deteriorated standard in Deteriorated st	
Walked on	
Parts not excavated or inaccessible  During the initial inspection, check the boxes of all the deterioration phenomena that are possible in the initial inspection of the last inspecti	
During the initial inspection, check the boxes of all the deterioration phenomena that are possibly indicate new deterioration phenomena that have occurred since the last inspection of the last inspection o	
Inly indicate new deterioration phenomena that have occurred since the last inspection of treuctural deterioration phenomena that have occurred since the last inspection of treuctural deterioration (Condition of Interventions)  I cracks	
Tessellatum lacunae Cracks Detacks Detachments by Bulges  SURFACE DETERIORATION Detached tesserae Deteriorated tesserae Deteriorated mortar between tesserae Deteriorated mortar between tesserae Deteriorated mortar between tesserae Deteriorated lacunae fills or edging repairs Deteriorated mortar between tesserae Deteriorated mortar between tesserae Deteriorated lacunae fills or edging repairs Deteriorated mortar between tesserae Reburial: Deteriorated success of fill materials Deteriorated separation membranes Deteriorated separation membranes Deteriorated walls with new deterioration Deteriorated separation membranes Deteriorated walls with new deterioration Deteriorated separation membranes Deteriorated walls with new deterioration Deteriorated separation membranes Deteriorated separation membranes Deteriorated walls with new deterioration Deteriorated separation membranes Deteriorated cover	
Cracks Bulges  Bulges  Burface Deterioration Detached tesserae Deteriorated tesserae Deteriorated mortar between tesserae Deteriorated lacunae fills or Deteriorated lacunae fills or Deteriorated mortar between tesserae Deteriorated substitution Deteriorated substitution Deteriorated separation membranes Deteriorated walls with new deterioration Deteriorated cover Deteriorated walls with new deterioration Deteriorated cover	
Bulges  SURFACE DETERIORATION (Con Detached tesserae   Stains Deteriorated tesserae   Incrustations Deteriorated mortar between tesserae   Efflorescence  PRESENCE OF BIO-DETERIORATION AGENTS (Con Micro-organisms   Tunnels or entremainment insects and other Deteriorated lacunae fills or   Re-detached teen deging repairs   Deteriorated surplement of the presence of vegetation   Deteriorated surplement of the presence of	
Bulges  BURFACE DETERIORATION (Con Detached tesserae   Stains Deteriorated tesserae   Incrustations Deteriorated mortar between tesserae   Efflorescence  BURESENCE OF BIO-DETERIORATION AGENTS (Con Micro-organisms   Tunnels or entremainment insects and oth DETERIORATION OF INTERVENTIONS (Con Deteriorated lacunae fills or edging repairs   Deteriorated state Deteriorated mortar between tesserae   Deteriorated state Reburial:   Presence of vegetation   Deteriorated state Deteriorated separation membranes  DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC   Deteriorated cover   Deteriorated cover	
Deteriorated tesserae Deteriorated mortar between tesserae Deteriorated lacunae fills or edging repairs Deteriorated mortar between tesserae Reburial: Deteriorated mortar between tesserae Reburial: Deteriorated st. Deteriorated s	
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Deteriorated mortar between tesserae  RESENCE OF BIO-DETERIORATION AGENTS  Micro-organisms Vegetation  Deteriorated lacunae fills or edging repairs Deteriorated mortar between tesserae Reburial: Deteriorated mortar between tesserae Reburial: Deteriorated separation membranes  Deteriorated separation membranes  DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC Clogged drainage Deteriorated separation membranes  DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC Clogged drainage Deteriorated cover	
Deteriorated mortar between tesserae  RESENCE OF BIO-DETERIORATION AGENTS  Micro-organisms Vegetation  Deteriorated lacunae fills or edging repairs Deteriorated mortar between tesserae Reburial: Deteriorated mortar between tesserae Reburial: Deteriorated separation membranes  Deteriorated cover  Deteriorated cover  Clogged drainage Deteriorated cover  Deteriorated cover  Deteriorated cover  Clogged drainage Deteriorated cover  Deteriorated cover  Clogged drainage Deteriorated cover  Deteriorated cover  Deteriorated cover  Clogged drainage Deteriorated cover  Deteriorated cover  Deteriorated cover  Deteriorated cover  Clogged drainage Deteriorated cover  Deteriorated cover  Deteriorated cover  Deteriorated cover  Deteriorated cover	
A Micro-organisms  Description  Description  Deteriorated lacunae fills or edging repairs  Deteriorated mortar between tesserae  Reburial: Presence of vegetation  Loss of fill materials  Deteriorated separation membranes  Deteriorated cover  Deteriorated cover  Deteriorated cover  Deteriorated cover  Other:  Description of the condition assessment	
Micro-organisms  Vegetation  Deteriorated lacunae fills or edging repairs  Deteriorated mortar between tesserae  Reburial:  Presence of vegetation  Loss of fill materials  Deteriorated separation membranes  Deteriorated cover  Deteriorated cover  Clogged drainage  Deteriorated cover  Deteriorated cover  Clogged drainage  Deteriorated cover  Other:  Deservations on the condition assessment	
Vegetation insects and oth  DETERIORATION OF INTERVENTIONS (Cor  Deteriorated lacunae fills or edging repairs Deteriorated st.  Deteriorated mortar between tesserae Deteriorated st.  Reburial: Presence of vegetation Loss of fill materials  Deteriorated separation membranes  DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC  Clogged drainage Deteriorated cover Deteriorated cover Deteriorated cover Deteriorated cover Deteriorated separation Managed access based Deteriorated cover Deteri	
Deteriorated lacunae fills or	
Deteriorated lacunae fills or edging repairs Deteriorated surprise Deteriorated surprise Deteriorated mortar between tesserae Deteriorated surprise Deteri	
edging repairs	
Deteriorated mortar between tesserae  Reburial:  Description  Loss of fill materials  Deteriorated separation membranes  Deteriorated cover  Deteriorated cover  Deteriorated cover  Deteriorated cover  Deteriorated cover  Other:  Description  Deteriorated states and separation membranes	
Reburial:    Presence of vegetation   Loss of fill materials   Deteriorated separation membranes    Presence of vegetation     Loss of fill materials   Deteriorated separation membranes    Presence of vegetation     Deteriorated cover     Deteriorated	
□ Loss of fill materials □ Deteriorated separation membranes  DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC □ Clogged drainage □ Deteriorated cover □ Stabilized walls with new deterioration □ Other: □ Other: □ DESERVATIONS ON THE CONDITION ASSESSMENT	
Deteriorated separation membranes  DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC  Clogged drainage Deteriorated cover Clogged walls with new deterioration Other:  DESERVATIONS ON THE CONDITION ASSESSMENT  DESERVATIONS ON THE MOSAIC	
DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC  Clogged drainage  Stabilized walls with new deterioration  DESERVATIONS ON THE CONDITION ASSESSMENT  DESERVATIONS ON THE CONDITION ASSESSMENT	
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☐ Clogged drainage ☐ Deteriorated cover ☐ Stabilized walls with new deterioration ☐ Other: ☐ Other: ☐ Other: ☐ Other: ☐ DESERVATIONS ON THE CONDITION ASSESSMENT	
Stabilized walls with new deterioration  Other:  OBSERVATIONS ON THE CONDITION ASSESSMENT  SENERAL CONDITION OF THE MOSAIC	1. 1.
Observations on the condition assessment  General Condition of the Mosaic	
DBSERVATIONS ON THE CONDITION ASSESSMENT  GENERAL CONDITION OF THE MOSAIC	irrier
GENERAL CONDITION OF THE MOSAIC	<u> </u>
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	☐ Bad
Date recommended for next inspection:	
Date recommended for intervention:(Intervention required)	



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NSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle
PRESENT EXPOSURE CONDI			
☐ In open air	☐ Reburied		☐ Under an open shelter
☐ Parts not excavated or			
STRUCTURAL DETERIORATION	ON		
☐ Tessellatum lacunae		Depressi	
☐ Cracks ☐ Bulges		☐ Detachm	
SURFACE DETERIORATION			
Detached tesserae			
☐ Detached tesserae		☐ Stains ☐ Incrustat	
■ Deteriorated tesserae ■ Deteriorated mortar be		☐ Incrustat	
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PRESENCE OF BIO-DETERIO	RATION AGENTS		
☐ Micro-organisms		☐ Tunnels o	
☐ Vegetation			
DETERIORATION OF INTERV			
Deteriorated lacunae fi			
		☐ Deteriora	
edging repairs  Deteriorated mortar be		☐ Deteriora	
	etween tesserae	☐ Deteriora	
edging repairs  Deteriorated mortar be	etween tesserae  Presence of vegetatio  Loss of fill materials	☐ Deteriora ☐ Deteriora on	
edging repairs  Deteriorated mortar be	etween tesserae	☐ Deteriora ☐ Deteriora on	
edging repairs  Deteriorated mortar be	etween tesserae  Presence of vegetatic  Loss of fill materials  Deteriorated separati	□ Deteriora □ Deteriora on on on membrane	
edging repairs  Deteriorated mortar be Reburial:  DETERIORATION OF INTERV  Clogged drainage	etween tesserae  Presence of vegetatic  Loss of fill materials  Deteriorated separati  ENTIONS AROUND THE MC	Deteriora Deteriora on on membrane osaic Deteriorated	ated support panels ated support metal reinforcements s cover or shelter
edging repairs  Deteriorated mortar be Reburial:  DETERIORATION OF INTERV	Presence of vegetatic  Presence of vegetatic  Loss of fill materials  Deteriorated separation	Deteriora  Deteriora  Don  Don membrane  DosAIC  Deteriorated Damaged acc	ated support panels ated support metal reinforcements s cover or shelter cess barrier
edging repairs  Deteriorated mortar be Reburial:  DETERIORATION OF INTERV  Clogged drainage	Presence of vegetatic  Presence of vegetatic  Loss of fill materials  Deteriorated separation	Deteriora  Deteriora  Don  Don membrane  DosAIC  Deteriorated Damaged acc	ated support panels ated support metal reinforcements s cover or shelter
edging repairs  Deteriorated mortar be Reburial:  DETERIORATION OF INTERV  Clogged drainage	etween tesserae  Presence of vegetatic  Loss of fill materials  Deteriorated separati  ENTIONS AROUND THE MO	Deteriora  Deteriora  Don  Don membrane  DosAIC  Deteriorated Damaged acc	ated support panels ated support metal reinforcements s cover or shelter cess barrier
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edging repairs  Deteriorated mortar be Reburial:  DETERIORATION OF INTERV  Clogged drainage  Stabilized walls with ne	etween tesserae  Presence of vegetatic  Loss of fill materials  Deteriorated separati  ENTIONS AROUND THE MO	Deteriora  Deteriora  Don  Don membrane  DosAIC  Deteriorated Damaged acc	ated support panels ated support metal reinforcements s cover or shelter cess barrier
edging repairs  Deteriorated mortar be Reburial:  DETERIORATION OF INTERV  Clogged drainage  Stabilized walls with ne	etween tesserae  Presence of vegetatic  Loss of fill materials  Deteriorated separati  ENTIONS AROUND THE MO  ew deterioration  NDITION ASSESSMENT	Deteriora  Deteriora  Don  Don membrane  DosAIC  Deteriorated Damaged acc	ated support panels ated support metal reinforcements s cover or shelter cess barrier
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Damaged footbridge

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INSPECTION TYPE  Initial in		SAIC ID//////
PRESENT EXPOSURE CONDITIONS		
☐ In open air ☐ Reburie		☐ Under an open shelter
☐ Walked on ☐ Under a		☐ Under a closed shelter
☐ Parts not excavated or inaccessible		
STRUCTURAL DETERIORATION		
☐ Tessellatum lacunae	☐ Depres	
□ Cracks □ Bulges	☐ Detach	
SURFACE DETERIORATION		
☐ Detached tesserae	☐ Stains	
☐ Deteriorated tesserae	☐ Incrust	
☐ Deteriorated mortar between tesserae	e 🖵 Efflores	
PRESENCE OF BIO-DETERIORATION AGENTS		
☐ Micro-organisms		
☐ Vegetation		
DETERIORATION OF INTERVENTIONS		
Deteriorated lacunae fills or		
edging repairs		
☐ Deteriorated mortar between tesserae  Reburial: ☐ Presence of		
Reburial: ☐ Presence of ☐ Loss of fill m		
DETERIORATION OF INTERVENTIONS AROUN	ID THE MOSAIC	
Clogged drainage		
	Other:	
OBSERVATIONS ON THE CONDITION ASSESS	MENT	
OBSERVATIONS ON THE CONDITION ASSESS		
GENERAL CONDITION OF THE MOSAIC	D.F.	
₩Good	☐ Fair	□ Rad

PREPARED BY DATE



RESERT EXPOSURE CONDITIONS    In open air							
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Description							
Description   Directories   D	INSPECTION TYPE	Initial inspection	☐ Maintenance cycle				
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INDICATION DETERMINATION    Depressions   Depressions     Depressions     Destanting   Depressions     Destanting   Destanting     Destanting	☐ Parts not excavated or inacce						
TOUR TOWN THE CONDITION OF THE MOSAIC    Condition Assessment Map No. 2						<b>建设于</b>	A STATE
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Detail   D						THE PARTY OF	
Districted tessense   Stains   Districted tessense   Stains   Districted tessense   Stains   Districted mortar between tesserae   Efforescence    BESINCE OF BIO-DITERIORATION AGENTS   Condition Assessment Map No. 3) Unificial engineering   Condition Assessment Map No. 4) Unificial engineering   Condition Assessment Map No. 4) Unificial engineering   Condition Assessment Map No. 4) Districted accurate fills or   Re-destached tesserae   deligning repair   Deteriorated support panels   Districted accurate fills or   Re-destached tesserae   deligning repair   Deteriorated support panels   Districted accurate fill engineering   Deteriorated support metal reinforcements   Reburial:   Presence of vegetation   Loss off interiorate desparation membranes   Districted accurate fill engineering   Deteriorated cover or shelte   Districted accurate fill engineering   Condition Assessment   Districted accurate fill engineering   Districted accurate fill e					1-27		
Deteriorated testerae	☐ Bulges	-					
Deteriorated tesserae   Incustations   Deteriorated mortar between tesserae   Efficiencence    BESENCE OF BIO DETERIORATION AGENTS   Condition Assessment Map No. 3)    If Micro-organisms   Tunnels or entrance holes made by insects and other animals    I Deteriorated lacunae fills or   Re-detached tesserae   Deteriorated asupport metal reinforcements    I Deteriorated mortar between tesserae   Deteriorated support metal reinforcements    Reburial:   Presence of vegetation   Deteriorated support metal reinforcements    Reburial:   Oss of fill materials   Deteriorated support metal reinforcements    RETERIORATION OF INTERVENTIONS AROUND THE MOSAIC   Obtained walls with new deterioration   Detached access barrier    Other   Other   Other    BESERVATIONS ON THE CONDITION ASSESSMENT   Obtained walls with new deterioration   Damaged access barrier    Other   Officer   Other    BESERVATIONS ON THE CONDITION ASSESSMENT   Obtained walls with new deterioration   Damaged access barrier    Other   Officer   Other    BESERVATIONS ON THE CONDITION ASSESSMENT   Obtained walls with new deterioration   Damaged access barrier    Other   Officer   Other    BESERVATIONS ON THE CONDITION ASSESSMENT   Obtained    Obtained   Other   Other    Other   Other	SURFACE DETERIORATION				A STATE OF THE STA		The state of the s
Deteriorated mortar between tesserae  BESENCE OF BIO DETERIORATION AGENTS  (Condition Assessment Map No. 3)  A Vigetation  Insects and other animals  Insect	☐ Detached tesserae				The state of the s	<b>一个人</b>	
RESENCE OF BIO-DETERIORATION AGENTS (Condition Assessment Map No. 3)  Divicro-organisms   Tunnels or entrance holes made by insects and other animals (Condition Assessment Map No. 4)  Deteriorated Jacunae fills or   Re-detached tesserae   Deteriorated support metal reinforcements    Deteriorated mortar between tesserae   Deteriorated support metal reinforcements    Reburial:   Presence of vegetation   Deteriorated support metal reinforcements    Reburial:   Deteriorated separation membranes    Deteriorated separation membranes    Deteriorated vegatation   Deteriorated cover or shelter    Data Deteriorated separation membranes    Deteriorated valls with new deterioration   Damaged access barrier    Other:   Other:    Deteriorated for next inspection:    Deteriorated cover or shelter    Deteriorated for next inspection:    Deteriorated support metal reinforcements    Deteriorated support	☐ Deteriorated tesserae				The Contract of the Contract o	TO THE REAL PROPERTY.	THE RESERVE OF THE PERSON OF T
Unificio organisms   Tunnels or entrance holes made by insects and other animals	☐ Deteriorated mortar betweer	n tesserae 🔲 🛭			ALL STATES		The second second
Deteriorated lacunae fills or   Re-detached tesserae   Deteriorated support panels     Deteriorated mortar between tesserae   Deteriorated support metal reinforcements     Reburial:   Presence of vegetation     Ussy of fill materials   Deteriorated separation membranes     Deteriorated separation	PRESENCE OF BIO-DETERIORATION	N AGENTS		) 建筑	The Property		<b>《主题》的《</b>
Condition Assessment Map No. 4	☐ Micro-organisms	<u> </u>					
Deteriorated lacunae filis or   Geteriorated support panels   Deteriorated mortar between tesserae   Deteriorated support metal reinforcements   Reburial:   Presence of vegetation   Loss of fill materials   Deteriorated separation membranes   Deteriorated support metal reinforcements   Deteriorated support metal reinforc	☐ Vegetation						The state of the s
edging repairs				9			
Deteriorated mortar between tesserae   Deteriorated support metal reinforcements   Reburial:   Presence of vegetation     Loss of fill materials     Deteriorated separation membranes     Deteriorated separation membranes     Deteriorated separation membranes     Deteriorated separation of INTERVENTIONS AROUND THE MOSAIC     Deteriorated cover or shelter     Damaged access barrier     Other.					TIME A STATE	The state of the s	ACT TO THE WAY TO SEE
Reburial:				THE STATE OF		KIND OF BUILDING	A CONTRACTOR OF THE PARTY OF TH
Loss of fill materials   Deteriorated separation membranes     Deter					THE WAY		A SAN THE SAN
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BSERVATIONS ON THE CONDITION ASSESSMENT  GENERAL CONDITION OF THE MOSAIC  Good  Date recommended for next inspection:  (No intervention required)	→ Stabilized walls with new det					To the same	Maria Salara Salara
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iENERAL CONDITION OF THE MOSAIC  ☐ Good	DBSERVATIONS ON THE CONDITIO	ON ASSESSMENT				是一种。 第一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Good Fair Bad  Date recommended for next inspection: (No intervention required)					The State of the State of		THE RESERVE OF THE PARTY OF THE
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Good Fair Bad  Date recommended for next inspection: (No intervention required)							Citation with the Committee of the Commi
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(No intervention required)			□ Bad		STATE OF THE PARTY	and on the state of the state of the land	the state with the same of the same of the same of
Date recommended for intervention: Within 2 months	(No intervention required)	·			THE COURT OF THE PARTY OF THE P	CONTROL OF THE SECOND STATE OF THE SECOND SE	and the said the said the said the said
	Date recommended for int	tervention: Within 2 r	<u>mo</u> nths	r isimanin wanconala 2011	Trade octy must	to There was build the Total	BOY THE DALL OF THE OWNER

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(Intervention required)

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□ In open air □ Reburied □ Under an open shelter □ Walked on □ Under a removable cover □ Under a closed shelter □ Parts not excavated or inaccessible    During the initial inspection, check the boxes of all the deterioration phenomena that are present. During maintenance cycles, only indicate new deterioration phenomena that have occurred since the last inspection or last intervention.    Tessellatum Deterioration   Condition Assessment Map No. 1) □ Tessellatum lacunae □ Depressions □ Detachments between mosaic layers □ Detached tesserae □ Stains □ Detached tesserae □ Incrustations □ Deteriorated mortar between tesserae □ Incrustations □ Deteriorated mortar between tesserae □ Efflorescence □ Efflorescence □ Deteriorated holes made by insects and other animals □ Deteriorated lacunae fills or □ Re-detached tesserae □ Deteriorated support panels □ Deteriorated mortar between tesserae □ Deteriorated support metal reinforcements
Walked on
Parts not excavated or inaccessible  Parting the initial inspection, check the boxes of all the deterioration phenomena that are present. During maintenance cycles, inly indicate new deterioration phenomena that have occurred since the last inspection or last intervention.  TRUCTURAL DETERIORATION    Condition Assessment Map No. 1)
During the initial inspection, check the boxes of all the deterioration phenomena that are present. During maintenance cycles, only indicate new deterioration phenomena that have occurred since the last inspection or last intervention.    Condition Assessment Map No. 1    Tessellatum lacunae
ITRUCTURAL DETERIORATION  Condition Assessment Map No. 1)  TRUCTURAL DETERIORATION  Cracks  Depressions Cracks Detachments between mosaic layers Bulges  URFACE DETERIORATION  Condition Assessment Map No. 2) Detached tesserae Deteriorated tesserae Deteriorated mortar between tesserae ERESENCE OF BIO-DETERIORATION AGENTS Deterioration  Condition Assessment Map No. 3) Difference or entrance holes made by insects and other animals DETERIORATION OF INTERVENTIONS Deteriorated lacunae fills or edging repairs Deteriorated mortar between tesserae Deteriorated support metal reinforcements Deteriorated acunae for the process of the last inspection or last intervention.  (Condition Assessment Map No. 2) Tunnels or entrance holes made by insects and other animals Deteriorated lacunae fills or edging repairs Deteriorated support panels Deteriorated support metal reinforcements
□ Tessellatum lacunae □ Depressions □ Cracks □ Bulges  SURFACE DETERIORATION □ Detached tesserae □ Deteriorated tesserae □ Incrustations □ Deteriorated mortar between tesserae □ Efflorescence  PRESENCE OF BIO-DETERIORATION AGENTS □ Micro-organisms □ Tunnels or entrance holes made by insects and other animals □ Deteriorated lacunae fills or □ Re-detached tesserae □ deging repairs □ Deteriorated support metal reinforcements
☐ Cracks ☐ Detachments between mosaic layers ☐ Bulges  SURFACE DETERIORATION ☐ Condition Assessment Map No. 2) ☐ Detached tesserae ☐ Deteriorated tesserae ☐ Incrustations ☐ Deteriorated mortar between tesserae ☐ Efflorescence  PRESENCE OF BIO-DETERIORATION AGENTS ☐ Micro-organisms ☐ Tunnels or entrance holes made by ☐ Vegetation ☐ Tunnels or entrance holes made by ☐ Incrustations ☐ Tunnels or entrance holes made by ☐ Re-detached tessersent Map No. 4) ☐ Deteriorated lacunae fills or ☐ Re-detached tesserae ☐ edging repairs ☐ Deteriorated support panels ☐ Deteriorated support metal reinforcements
Bulges  SURFACE DETERIORATION (Condition Assessment Map No. 2)  Detached tesserae   Stains   Incrustations   Deteriorated tesserae   Incrustations   Deteriorated mortar between tesserae   Efflorescence    PRESENCE OF BIO-DETERIORATION AGENTS (Condition Assessment Map No. 3)   Micro-organisms   Tunnels or entrance holes made by insects and other animals   DETERIORATION OF INTERVENTIONS (Condition Assessment Map No. 4)   Deteriorated lacunae fills or   Re-detached tesserae   edging repairs   Deteriorated support panels     Deteriorated mortar between tesserae   Deteriorated support metal reinforcements
SURFACE DETERIORATION (Condition Assessment Map No. 2)  Detached tesserae Stains Deteriorated tesserae Incrustations Deteriorated mortar between tesserae Efflorescence  PRESENCE OF BIO-DETERIORATION AGENTS (Condition Assessment Map No. 3) Micro-organisms Incruses or entrance holes made by insects and other animals DETERIORATION OF INTERVENTIONS (Condition Assessment Map No. 4) Deteriorated lacunae fills or Re-detached tesserae edging repairs Deteriorated support panels Deteriorated mortar between tesserae Deteriorated support metal reinforcements
□ Detached tesserae □ Deteriorated tesserae □ Deteriorated mortar between tesserae □ Deteriorated mortar between tesserae □ Deteriorated mortar between tesserae □ Efflorescence  PRESENCE OF BIO-DETERIORATION AGENTS □ Micro-organisms □ Tunnels or entrance holes made by insects and other animals  DETERIORATION OF INTERVENTIONS □ Condition Assessment Map No. 4) □ Deteriorated lacunae fills or □ Re-detached tesserae □ edging repairs □ Deteriorated support panels □ Deteriorated mortar between tesserae □ Deteriorated support metal reinforcements
□ Deteriorated tesserae □ Deteriorated mortar between tesserae □ Efflorescence  PRESENCE OF BIO-DETERIORATION AGENTS □ Micro-organisms □ Tunnels or entrance holes made by insects and other animals  DETERIORATION OF INTERVENTIONS □ Deteriorated lacunae fills or edging repairs □ Deteriorated support panels □ Deteriorated mortar between tesserae □ Deteriorated support metal reinforcements
□ Deteriorated mortar between tesserae  □ Efflorescence    Condition Assessment Map No. 3)   Micro-organisms □ Tunnels or entrance holes made by insects and other animals    Deteriorated lacunae fills or □ Re-detached tesserae edging repairs □ Deteriorated support panels   Deteriorated mortar between tesserae □ Deteriorated support metal reinforcements
PRESENCE OF BIO-DETERIORATION AGENTS  Micro-organisms Tunnels or entrance holes made by insects and other animals  DETERIORATION OF INTERVENTIONS Condition Assessment Map No. 4) Deteriorated lacunae fills or edging repairs Deteriorated support panels Deteriorated mortar between tesserae Deteriorated support metal reinforcements
□ Micro-organisms       □ Tunnels or entrance holes made by insects and other animals         □ Vegetation       (Condition Assessment Map No. 4)         □ Deteriorated lacunae fills or edging repairs       □ Re-detached tesserae         □ Deteriorated support panels       □ Deteriorated support metal reinforcements
□ Vegetation insects and other animals    Condition Assessment Map No. 4    Deteriorated lacunae fills or   Re-detached tesserae   edging repairs   Deteriorated support panels   Deteriorated mortar between tesserae   Deteriorated support metal reinforcements
DETERIORATION OF INTERVENTIONS  ☐ Deteriorated lacunae fills or edging repairs ☐ Deteriorated mortar between tesserae ☐ Deteriorated support metal reinforcements
□ Deteriorated lacunae fills or       □ Re-detached tesserae         edging repairs       □ Deteriorated support panels         □ Deteriorated mortar between tesserae       □ Deteriorated support metal reinforcements
edging repairs
☐ Deteriorated mortar between tesserae ☐ Deteriorated support metal reinforcements
Reburial: ☐ Presence of vegetation
☐ Loss of fill materials
☐ Deteriorated separation membranes
DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC
☐ Clogged drainage ☐ Deteriorated cover or shelter
☐ Stabilized walls with new deterioration ☐ Damaged access barrier
☐ Other:
OBSERVATIONS ON THE CONDITION ASSESSMENT
ODDERVATIONS OF THE CONDITION ASSESSMENT
GENERAL CONDITION OF THE MOSAIC
☐ Good ☐ Fair #Bad
☐ Date recommended for next inspection:(No intervention required)
(No intervention required)  Place recommended for intervention: Within 1 month (urgent)
(Intervention required)

PREPARED BY

DATE

DATA FORM NO. 3	- CONDITION	LASSESSME	NT	STUDY PHASE
	CONDINON		IC ID//.	
INSPECTION TYPE	☐ Initial inspection		☐ Maintenance cy	
PRESENT EXPOSURE CONDITION  ☐ In open air ☐ Walked on ☐ Parts not excavated or ina	☐ Reburied☐ Under a remova		☐ Under an open☐ Under a closed	
STRUCTURAL DETERIORATION  Tessellatum lacunae Cracks Bulges		☐ Depressio		
SURFACE DETERIORATION  Detached tesserae Deteriorated tesserae Deteriorated mortar between		☐ Stains☐ Incrustatio☐ Effloresce		
PRESENCE OF BIO-DETERIOR A  ☐ Micro-organisms ☐ Vegetation	TION AGENTS			
		☐ Deterioration		
DETERIORATION OF INTERVEN  Clogged drainage Stabilized walls with new  OBSERVATIONS ON THE COND		IOSAIC  ☐ Deteriorated of ☐ Damaged acco		
GENERAL CONDITION OF THE CONDITION OF TH	<b>d</b> r next inspection:	□ Fair	□ Bad	

PREPARED BY DATE

DATA FORM NO. 3 – CONDITIO	N ASSESSMENT STUDY PHASE
INSPECTION TYPE ☐ Initial inspect	ion
PRESENT EXPOSURE CONDITIONS  ☐ In open air ☐ Walked on ☐ Under a remo ☐ Parts not excavated or inaccessible	☐ Under an open shelter vable cover ☐ Under a closed shelter
STRUCTURAL DETERIORATION  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges	(Condition Assessment Map No. 1) ☐ Depressions ☐ Detachments between mosaic layers
SURFACE DETERIORATION  ☐ Detached tesserae ☐ Deteriorated tesserae ☐ Deteriorated mortar between tesserae	(Condition Assessment Map No. 2) ☐ Stains ☐ Incrustations ☐ Efflorescence
PRESENCE OF BIO-DETERIORATION AGENTS  ☐ Micro-organisms ☐ Vegetation	(Condition Assessment Map No. 3) ☐ Tunnels or entrance holes made by insects and other animals
DETERIORATION OF INTERVENTIONS  ☐ Deteriorated lacunae fills or edging repairs ☐ Deteriorated mortar between tesserae  Reburial: ☐ Presence of veget ☐ Loss of fill materia ☐ Deteriorated separates	
DETERIORATION OF INTERVENTIONS AROUND THE ☐ Clogged drainage ☐ Stabilized walls with new deterioration	E MOSAIC  ☐ Deteriorated cover or shelter ☐ Damaged access barrier ☐ Other:
OBSERVATIONS ON THE CONDITION ASSESSMENT	
GENERAL CONDITION OF THE MOSAIC  Good  Date recommended for next inspection: (No intervention required)  Date recommended for intervention: (Intervention required)	

	STRUCTURAL DETERIORATION	MOSAIC ID	/_	/	/
	Tessellatum lacunae				
<b>~</b>	Cracks				
222	Bulges				
<b></b>	Depressions				
	Detachments between mosaic layers				

DATE

PREPARED BY

**LEGEND - CONDITION ASSESSMENT MAP NO. 1** 

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### **LEGEND - CONDITION ASSESSMENT MAP NO. 2 SURFACE DETERIORATION**

MOSAIC ID	/	/	1

MOSAIKON Technician Training for the Conservation of Mosaics – Getty Conservation Institute, 2020 © J. Paul Getty Trust, www.getty.edu

Detached tesserae  Deteriorated tesserae		
Deteriorated tesserae		
Deteriorated tesserae		
Deteriorated mortar between tesserae		
Stains		
Incrustations		
Efflorescence		

PREPARED BY DATE

DATA FORM NO.	3 - CONDITION	N ASSESSM	ENT	STUDY PHASE
INSPECTION TYPE	☐ Initial inspectio		☐ Maintenar	
PRESENT EXPOSURE CONDI ☐ In open air ☐ Walked on ☐ Parts not excavated or	☐ Reburied☐ Under a remov		☐ Under an o	
STRUCTURAL DETERIORATI  ☐ Tessellatum lacunae ☐ Cracks ☐ Bulges	ON	□ Depressi □ Detachm		
SURFACE DETERIORATION  Detached tesserae Deteriorated tesserae Deteriorated mortar be	etween tesserae	☐ Stains☐ Incrustat☐ Effloresc		sessment Map No. 2)
PRESENCE OF BIO-DETERIO  ☐ Micro-organisms ☐ Vegetation	RATION AGENTS		(Condition Ass or entrance hole and other animal	,
DETERIORATION OF INTERV  ☐ Deteriorated lacunae fi edging repairs ☐ Deteriorated mortar be Reburial:		☐ Deteriora ☐ Deteriora tion		
DETERIORATION OF INTERV  ☐ Clogged drainage ☐ Stabilized walls with ne				
OBSERVATIONS ON THE CO	NDITION ASSESSMENT			
GENERAL CONDITION OF TH		Decis		
☐ G ☐ Date recommended (No intervention require ☐ Date recommended (Intervention required)		□ Fair	□ Вас	

LEGEND – CONDITION ASSESSMENT MAP NO. 3 PRESENCE OF BIO-DETERIORATION AGENTS				
		MOSAIC ID	/_	
	Micro-organisms			

	MOSAIC ID///
	Micro-organisms
×××	Vegetation
	Tunnels or entrance holes made by insects and other animals

Livia Alberti, Elsa Bourguignon, Thomas Roby 2008, 2011, 2013 © J. Paul Getty Trust and Institut National du Patrimoine de Tunisie

PREPARED BY DATE

INSPECTION TYPE	☐ Initial inspection		☐ Maintenance cycle	
PRESENT EXPOSURE CONE	DITIONS			
☐ In open air	☐ Reburied		Under an open shelte	
☐ Walked on	☐ Under a remova		☐ Under a closed shelter	
☐ Parts not excavated o				
STRUCTURAL DETERIORAT	TION			
☐ Tessellatum lacunae		☐ Depress		
☐ Cracks		☐ Detach		
☐ Bulges				
SURFACE DETERIORATION				
☐ Detached tesserae		☐ Stains		
Deteriorated tesserae		☐ Incrusta		
Deteriorated mortar k		☐ Efflores		
PRESENCE OF BIO-DETERI	ORATION AGENTS			
☐ Micro-organisms		☐ Tunnels		
☐ Vegetation				
DETERIORATION OF INTER	VENTIONS		(Condition Assessment Ma	p No. 4)
Deteriorated lacunae	fills or	☐ Re-deta	iched tesserae	
edging repairs		Deterio	rated support panels	
Deteriorated mortar b			rated support metal reinforce	ements
	☐ Presence of vegetat			
	<ul><li>Loss of fill materials</li><li>Deteriorated separa</li></ul>			
<b>DETERIORATION OF INTER</b> Clogged drainage	VENTIONS AROUND THE N			
☐ Stabilized walls with r		☐ Damaged a		
Stabilized Walls With 1		Other:		
		□ Other:		
OBSERVATIONS ON THE CO	ONDITION ASSESSMENT			
GENERAL CONDITION OF 1				
	Good	☐ Fair	☐ Bad	
(No intervention required Date recommende				

-	MOSAIC ID/_
	Deteriorated lacunae fills or edging repairs
	Deteriorated mortar between tesserae
••••	Re-detached tesserae or detached tesserae of a re-laid mosaic
	Deformed mosaic support panels
••••	Bulging areas in support panels
	Visible deterioration of metal reinforcements in support panels
	Detachment between tessellatum and support panels
<b>~</b>	Cracks in mosaic support panels

LEGEND - CONDITION ASSESSMENT MAP NO. 4

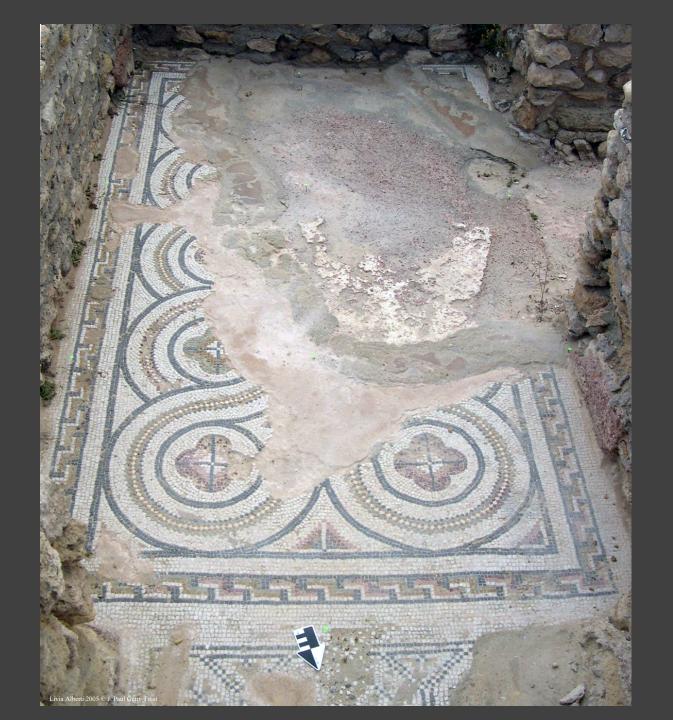
DETERIORATION OF INTERVENTIONS

	DATE
PREPARED BY	DATE

# CASE STUDY

Hergla, Tunisia

House "of the two peristyles" ID: HE/H2P/25

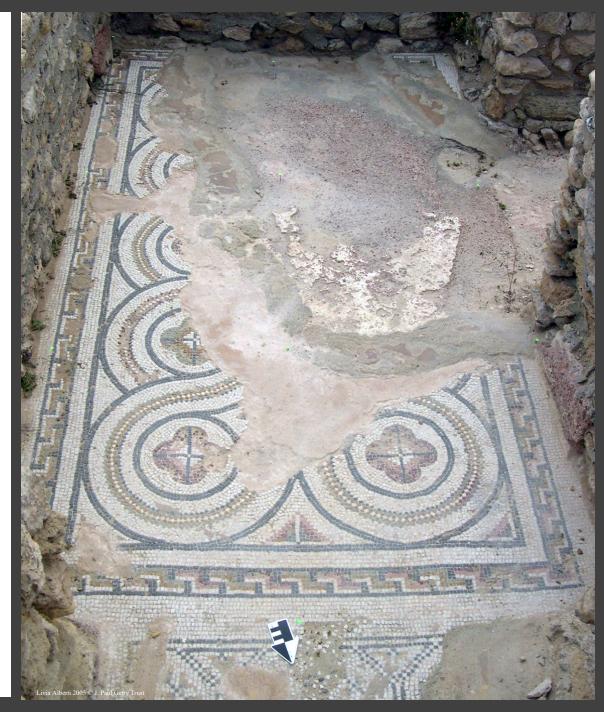


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PREPARED BY Mohanmed Said

	COMBINE	ON ASSESSA	VENI	STUDY PHASE
		мо	SAIC ID HE / H	2P / 25 /
INSPECTION TYPE	☑ Initial inspec	tion	☐ Mainter	ance cycle
PRESENT EXPOSURE CONDITION	ONS			
☑ In open air	Reburied		Under a	n open shelter
☑ Walked on	☐ Under a remo	ovable cover	Under a	closed shelter
☐ Parts not excavated or in	accessible			
During the initial inspection, check only indicate new deterioration ph				
STRUCTURAL DETERIORATION	N		(Condition	Assessment Map No. 1,
Tessellatum lacunae		Depres	sions	
☑ Cracks		☑ Detach	ments between	n mosaic layers
☑ Bulges				•
SURFACE DETERIORATION			(Condition	Assessment Map No. 2)
Detached tesserae		☐ Stains		
Deteriorated tesserae		☐ Incrusta	ations	
☑ Deteriorated mortar bety	ween tesserae	☑ Efflores	scence	
PRESENCE OF BIO-DETERIOR	ATION AGENTS		(Condition)	Assessment Map No. 3,
Micro-organisms		☑ Tunnels	s or entrance ho	oles made by
☑ Vegetation		insects	and other anim	nals
DETERIORATION OF INTERVE			(Condition)	Assessment Map No. 4,
Deteriorated lacunae fills	or	☐ Re-deta	ached tesserae	
edging repairs		□ Deterio	rated support p	oanels
☐ Deteriorated mortar bety	ween tesserae	☐ Deterio	rated support i	metal reinforcements
Reburial:	Presence of vege	etation		
	Loss of fill materi	ials		
	☐ Deteriorated sep	aration membran	nes	
DETERIORATION OF INTERVE	NTIONS AROUND TH	IE MOSAIC		
Clogged drainage			d cover or shelt	er
Stabilized walls with new	deterioration	Damaged a	ccess barrier	
		Other:		
OBSERVATIONS ON THE COND	DITION ASSESSMENT	Г		
Micro-organisms are concentrated	in areas of the mosaic	where there is more sh	nade.	
Areas of detachment are located n	ear the surrounding wa	lls		
GENERAL CONDITION OF THE		☑ Fair	0.6	lad
The second secon	or next inspection:		170	
(No intervention required)  Date recommended for	NA/ie	thin 6 months		

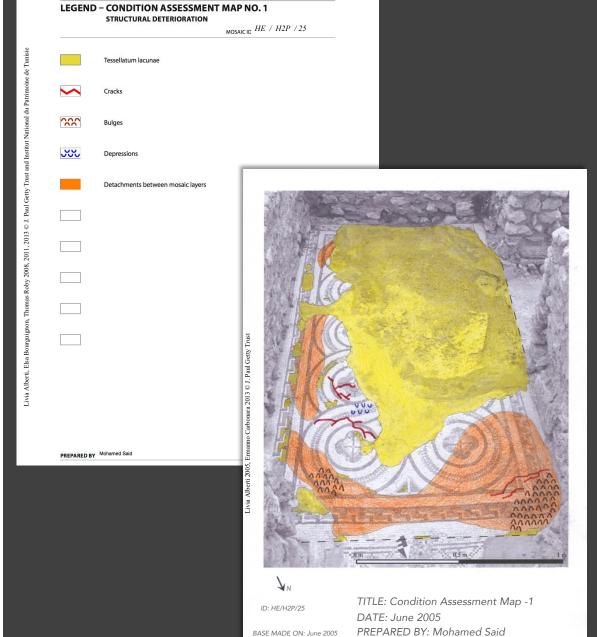
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	ONDITION ASSES	SMEN I STUDY PHASE		
		MOSAIC ID HE / H2P / 25 /		
INSPECTION TYPE	Initial inspection	☐ Maintenance cycle		
PRESENT EXPOSURE CONDITIONS				
☑ In open air ☐	Reburied	Under an open shelter		
☑ Walked on □	Under a removable cover	Under a closed shelter		
Parts not excavated or inacces	sible			
During the initial inspection, check the bo only indicate new deterioration phenome		nena that are present. During maintenance cycles, t inspection or last intervention.		
STRUCTURAL DETERIORATION		(Condition Assessment Map No. 1		
☑ Tessellatum lacunae	<b>☑</b> Der	ressions		
☑ Cracks		achments between mosaic layers		
☑ Bulges				
SURFACE DETERIORATION		(Condition Assessment Map No. 2		
Detached tesserae	☐ Stai	ns		
☑ Deteriorated tesserae	□ Inci	ustations		
☑ Deteriorated mortar between	tesserae 🗷 Efflo	prescence		
PRESENCE OF BIO-DETERIORATION	AGENTS	(Condition Assessment Map No. 3		
☑ Micro-organisms	<b>☑</b> Tun	nels or entrance holes made by		
☑ Vegetation	inse	ects and other animals		
DETERIORATION OF INTERVENTION	S	(Condition Assessment Map No. 4		
Deteriorated lacunae fills or	☐ Re-	detached tesserae		
edging repairs	☐ Det	Deteriorated support panels		
☐ Deteriorated mortar between	tesserae Det	eriorated support metal reinforcements		
Reburial: Pres	sence of vegetation			
□ Loss	of fill materials			
□ Dete	eriorated separation memb	ranes		
DETERIORATION OF INTERVENTION	S AROUND THE MOSAIC			
☐ Clogged drainage	■ Deterio	ated cover or shelter		
☐ Stabilized walls with new dete	rioration	☐ Damaged access barrier		
	Other:	Other:		
OBSERVATIONS ON THE CONDITION	ASSESSMENT			
Micro-organisms are concentrated in area	as of the mosaic where there is mo	re shade.		
Areas of detachment are located near the	surrounding walls			
GENERAL CONDITION OF THE MOSA	AIC			
☐ Good	☑ Fair	☐ Bad		
☐ Date recommended for nex	t inspection:			
(No intervention required)  Date recommended for inte (Intervention required)	ervention: Within 6 months			



BASE MADE ON: June 2005 PREPARED BY: Mohamed Said

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MOSAIKON Technician Training for the Conservation of Mosaics

INSPECTION TYPE

☑ In open air

☑ Walked on

☑ Cracks

**☑** Bulges

PRESENT EXPOSURE CONDITIONS

STRUCTURAL DETERIORATION

☑ Tessellatum lacunae

SURFACE DETERIORATION

☑ Deteriorated tesserae

☑ Deteriorated mortar between tesserae

PRESENCE OF BIO-DETERIORATION AGENTS

☐ Deteriorated mortar between tesserae

☐ Stabilized walls with new deterioration

**OBSERVATIONS ON THE CONDITION ASSESSMENT** 

Areas of detachment are located near the surrounding walls

☐ Good

☐ Date recommended for next inspection:

☐ Date recommended for intervention:

**GENERAL CONDITION OF THE MOSAIC** 

(No intervention required)

(Intervention required)

PREPARED BY Mohanmed Said

**DETERIORATION OF INTERVENTIONS** 

☑ Deteriorated lacunae fills or

☑ Detached tesserae

☑ Micro-organisms

edging repairs

☐ Clogged drainage

Reburial:

Vegetation

☐ Parts not excavated or inaccessible

☑ Initial inspection

☐ Presence of vegetation ☐ Loss of fill materials

DATE June 2005

☐ Reburied

INSPECTION TYPE	Initial inspec	tion	Maintenance cycle		
PRESENT EXPOSURE COND	ITIONS				
☑ In open air	Reburied		Under an open shelter		
☑ Walked on	Under a rem	ovable cover	Under a closed shelter		
☐ Parts not excavated or	rinaccessible				
During the initial inspection, ch only indicate new deterioration			a that are present. During maintenance cycles, spection or last intervention.		
STRUCTURAL DETERIORAT	ION		(Condition Assessment Map No. 1)		
☑ Tessellatum lacunae		Depres	☑ Depressions		
☑ Cracks		Detach	☑ Detachments between mosaic layers		
<b>☑</b> Bulges					
SURFACE DETERIORATION			(Condition Assessment Map No. 2)		
Detached tesserae		Stains			
Deteriorated tesserae		☐ Incrusta	☐ Incrustations		
☑ Deteriorated mortar between tesserae		☑ Efflorescence			
PRESENCE OF BIO-DETERIO	DRATION AGENTS		(Condition Assessment Map No. 3)		
Micro-organisms		☑ Tunnels	s or <del>entrance holes made by</del>		
☑ Vegetation		insects and other animals			
DETERIORATION OF INTER	VENTIONS		(Condition Assessment Map No. 4)		
☑ Deteriorated lacunae fills or		☐ Re-detached tesserae			
edging repairs		□ Deterio	rated support panels		
Deteriorated mortar b	etween tesserae	□ Deterio	rated support metal reinforcements		
Reburial:	☐ Presence of vege	etation			
	Loss of fill mater	ials			
	☐ Deteriorated sep	aration membran	es		
DETERIORATION OF INTER	VENTIONS AROUND TH	IE MOSAIC			
☐ Clogged drainage		■ Deteriorate	d cover or shelter		
☐ Stabilized walls with new deterioration		☐ Damaged access barrier			
		☐ Other:			
OBSERVATIONS ON THE CO	ONDITION ASSESSMENT	•			
Micro-organisms are concentra			nade.		
Areas of detachment are locate					
Arous of dotachment are locate	a near the surrounding we				
GENERAL CONDITION OF T		D	Do. I		
ug	iood	Fair	☐ Bad		
Do	16				
□ Date recommended (No intervention require □ Date recommended)	ed)				

PREPARED BY Mohanmed Said

**DATA FORM NO. 3 - CONDITION ASSESSMENT** 

### LEGEND - CONDITION ASSESSMENT MAP NO. 3 PRESENCE OF BIO-DETERIORATION AGENTS

MOSAIC ID HE / H2P / 25

Micro-organisms

××× Vegetation

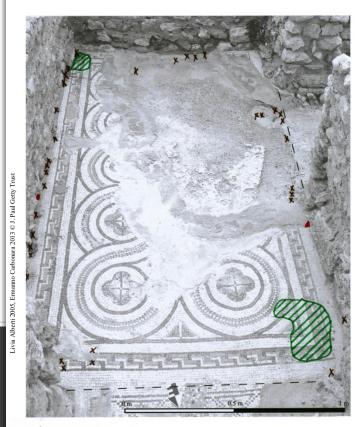
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STUDY PHASE

MOSAIC ID HE / H2P / 25 /

DATE June 2005

Tunnels or entrance holes made by insects and other animals



IN

ID: HE/H2P/25

BASE MADE ON: June 2005

TITLE: Condition Assessment Map -3

DATE: June 2005

PREPARED BY: Mohamed Said

PREPARED BY Mohanmed Said

DATA FORM NO. 3 – CONDITION ASSESSMENT

### LEGEND - CONDITION ASSESSMENT MAP NO. 4 **DETERIORATION OF INTERVENTIONS**

HE / H2P / 25 MOSAIC ID

Deteriorated lacunae fills or edging repairs Deteriorated mortar between tesserae • • • • Re-detached tesserae or detached tesserae of a re-laid mosaic

•••• Bulging areas in support panels

Visible deterioration of metal reinforcements

Deformed mosaic support panels

Detachment between tessellatum and suppo

Cracks in mosaic support panels

STUDY PHASE

MOSAIC ID HE / H2P / 25 /

DATE June 2005

PREPARED BY Mohamed Said



ID: HE/H2P/25

TITLE: Condition Assessment Map -4 DATE: June 2005

PREPARED BY: Mohamed Said

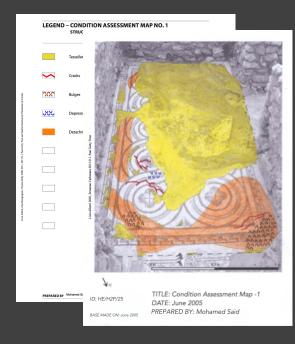
BASE MADE ON: June 2005

### MOSAIC ID \_ HE / H2P / 25 / ☑ Initial inspection ☐ Maintenance cycle INSPECTION TYPE PRESENT EXPOSURE CONDITIONS ☑ In open air ☐ Reburied ☐ Under an open shelter ☑ Walked on ☐ Under a removable cover Under a closed shelter ☐ Parts not excavated or inaccessible During the initial inspection, check the boxes of all the deterioration phenomena that are present. During maintenance cycles, only indicate new deterioration phenomena that have occurred since the last inspection or last intervention. STRUCTURAL DETERIORATION (Condition Assessment Map No. 1) ☑ Tessellatum lacunae Depressions ☑ Cracks ☑ Detachments between mosaic layers Bulges SURFACE DETERIORATION (Condition Assessment Map No. 2) ☑ Detached tesserae ☐ Stains ☑ Deteriorated tesserae □ Incrustations ☑ Deteriorated mortar between tesserae ☑ Efflorescence PRESENCE OF BIO-DETERIORATION AGENTS (Condition Assessment Map No. 3) ☑ Micro-organisms ☑ Tunnels or entrance holes made by Vegetation insects and other animals **DETERIORATION OF INTERVENTIONS** (Condition Assessment Map No. 4) ☑ Deteriorated lacunae fills or ☐ Re-detached tesserae ☐ Deteriorated support panels edging repairs ☐ Deteriorated mortar between tesserae ☐ Deteriorated support metal reinforcements Reburial: ☐ Presence of vegetation ☐ Loss of fill materials ☐ Deteriorated separation membranes **DETERIORATION OF INTERVENTIONS AROUND THE MOSAIC** ☐ Clogged drainage ☐ Deteriorated cover or shelter ☐ Stabilized walls with new deterioration ☐ Damaged access barrier Other:\_ **OBSERVATIONS ON THE CONDITION ASSESSMENT** Micro-organisms are concentrated in areas of the mosaic where there is more shade. Areas of detachment are located near the surrounding walls GENERAL CONDITION OF THE MOSAIC ☐ Good **☑** Fair ☐ Bad ☐ Date recommended for next inspection: (No intervention required) ■ Date recommended for intervention: (Intervention required)

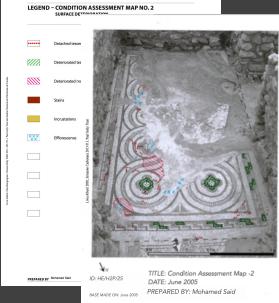
DATE June 2005

PREPARED BY Mohanmed Said

DATA FORM NO. 3 – CONDITION ASSESSMENT



STUDY PHASE







LEGEND - CONDITION ASSESSMENT MAP NO. 4

# Getty













MOSAIKON is a partnership of four institutions: the Getty Conservation Institute, the Getty Foundation, ICCROM, and ICCM. The aims of the project are to strengthen the network of professionals concerned with the conservation, restoration, maintenance, and management of mosaic heritage in the southern and eastern Mediterranean region; provide training to a variety of individuals involved in mosaics conservation and, more generally, with the management of archaeological sites and museums with mosaics; work with national and international bodies to provide a more favorable legislative, regulatory, and economic environment for the conservation of mosaics in the Mediterranean; and promote the dissemination and exchange of information.

