





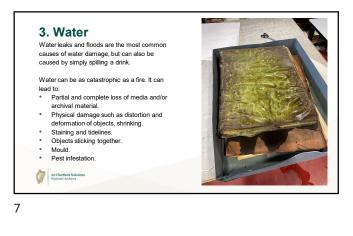


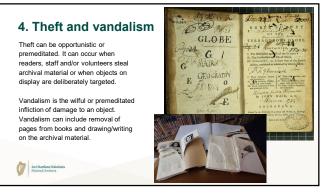




## 2. Fire

- Fire can cause Partial or complete loss of archive material.
- Chemical changes due to combustion reactions
- Physical changes due to heat damage.
- Physical and chemical changes from smoke and from the water used to extinguish the fire.
- Deposits of soot on objects.





6. Pests

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Archival collections provide a great

source of food for mould, rodents and

insects such as silverfish and carpet

discolouration and staining, and can decimate a collection.

beetles. These pests can cause complete loss of the object,



NDS

Internal or inherent factors can cause acidification, discoloration and staining, and may accelerate the rate of deterioration. They relate to the chemical composition of the object itself such as acidic wood pulp paper or iron gall ink or added metal pins and inclusions that rust.







Relative humidity (RH) is the measure of what most of us refer to as humidity. When warm air is cooled the RH increases, leading to problems of damp. The opposite happens when cold air is heated, the RH fails.

- Increased pest activity.
- Increased pest activity. Mechanical damage such as warping and distortion of boards, cockling of paper and sticking to glass for framed objects. Corrosion of metals such as book clasps, pape clips and other metal fasteners. Chemical deterioration
- Low RH\_(dry) can cause:
  Embritlement of objects.
  Mechanical damage such as splits, tears and cracks.
- Chemical deterioration such as yellowing of paper.



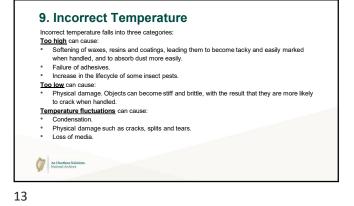
up-to-date.

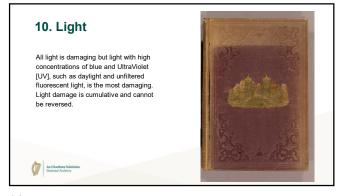
loss of information associated with an object. Dissociation can cover loss of identification labels, misplacement of parts of an object and lack of

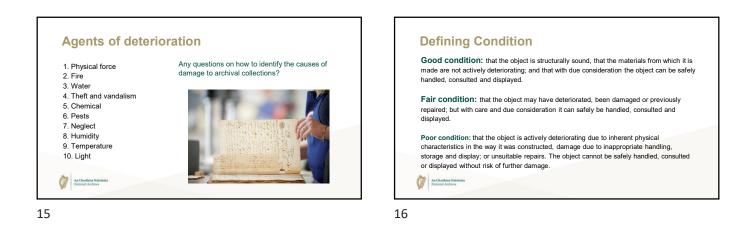
descriptive information.

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## Caring for archival collections







It revealed that in total <b>16,000</b> sheets of parchment in various document formats and <b>9,000</b> sheets of loose paper manuscripts or bound text	8% Grade 1 - <u>Stable</u>	<b>21%</b> Grade 2 - <u>Fair</u>
blocks had survived the explosion.	<b>16%</b> Grade 3 - Poor	<b>36%</b> Grade 4 - <u>Unstat</u>
	<b>19%</b> Gra	de 5 - Inaccessible





#### How to reduce the risk of these Agents of deterioration

1. Physical force	Handling Guidelines / Good Housekeeping	
2. Fire	Emergency Response Plan	
3. Water	Emergency Response Plan	
4. Theft and vandalism	Security Risk Management Procedures	
5. Chemical	Environmental Management / Good Housekeeping	
6. Pests	Good Housekeeping / Emergency Response Plan	
7. Neglect	Best Practice Guidelines / Good Housekeeping	
8. Humidity	Environmental Management / Good Housekeeping	
9. Temperature	Environmental Management / Good Housekeeping	
10. Light	Environmental Management / Good Housekeeping	





























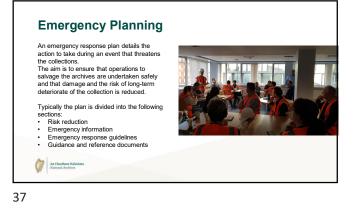






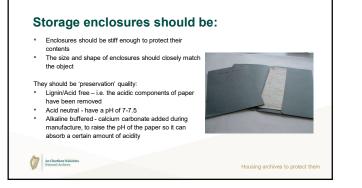


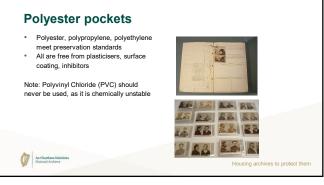


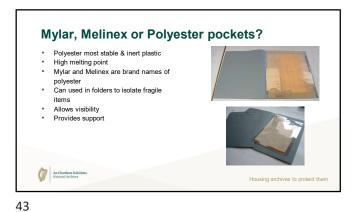


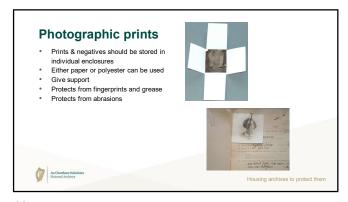


















# Caring for archival collections

## ARA's Best Practice Guidelines & Toolkits

Delections Care Toolkit The toolkit is designed to support archivists and those working with archives that do not have in-house conservation support. Delections Care Toolkit — Archives & Records Association Security Guidance The support of the Archives & Records Association → ARA (UK & Ireland) and its members and can be used by all records easily abias upon which security risk management decisions can be taken. It should be read in conjunction with the guidance in relation to Archives Accreditation. Carectify Guidance from the Archives and Records Association — Archives & Records Association Archives & Records Association Carectify Guidance from the Archives and Records Association — Archives & Records Association Members and Care Security Guidance from the Archives and Records Association — Archives & Records Association Members and Care Security Guidance from the Archives and Records Association — Archives & Records Association Members and Care Security Guidance from the Archives and Records Association — Archives & Records Association Members and Care Security Guidance from the Archives and Records Association — Archives & Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Care Security Guidance from the Archives and Records Association Members and Association and Archives and Records Association and Archives and Record