

Outline

- I. Overview of Fire Damage and Cultural Heritage Materials
- II. Assessing Damage and Planning Recovery
- III. Salvage Operations



Fires in Cultural Heritage Institutions Trians Public Library Fire photos (2009) http://www.trink.com/photos/hmcpl/sets/72157622301604 023/ Connecticut River Museum Video (2009) http://www.wtnh.com/dpp/news/connecticut/

Assessing Damage & Planning for Recovery

Primary Concern After a Fire:

- Human Safety
- Continuity of Operations (COOp)
- Recovery

Risks Greatly Decreased by Proper Disaster Preparedness:

- D-Plan and other disaster planning
- · Preexisting contracts with disaster recovery firms
- Understanding emergency response protocols ICS

Assessing Damage & Planning for Recovery

First Recovery Steps After a Fire:

- Identify and stabilize structural hazards
- Reduce temperature and RH to <70 degrees and 45% RH, if possible
- Remove
 - Standing water and empty items containing water
 - Wet carpet
 Wet furnishings
- If everything is soaked, secure commercial dehumidification services ASAP





Assessing Damage & Planning for Recovery

Assess Condition of Collections:

- Before Salvage
 - Maintain items in the conditions found
 - Protect materials at risk with loose plastic sheeting
- Undamaged Items
 - Leave in place if environment/building is stable
 - Move only if environment/building is threatening
- Check for mold daily Fire and smoke damage has already occurred, but risk of mold damage can be minimized

Assessing Damage & Planning for Recovery

What are your salvage priorities?

- Established prior to disaster, ideally
- What type of materials are damaged?
 - Loan materials
 - High risk materials iron, skins/leathers/parchment, coated paper, textiles
 - Widely held versus unique
 - · What is your institution known for?
 - · What do you need to keep the doors open?
 - Don't forget business records, personnel files, etc.

Assessing Damage & Planning for Recovery

What are your salvage priorities? (con't)

- What type of damage have materials sustained?
 - · Water, but not fire
 - Fire, but not water
 - Water and fire damaged
 - Submerged in water, very wet, barely damp?
- Mold is biggest threat after water damage
- Dry, fire damaged materials are reasonably stable, if environment is not a threat

Assessing Damage & Planning for Recovery

What type of recovery is appropriate?

- Immediate air drying
- Freeze then air dry
- Vendor provided drying options
- Smoke/Odor reduction
- Conservation/Repair
- Discard

Northeast Document Conservation Center (NEDCC) Leaflet: Emergency Salvage of Wet Books and Records http://www.nedcc.org/free-resources/preservationleaflets/3.-emergency-management/3.6-emergencysalvage-of-wet-books-and-records

Assessing Damage & Planning for Recovery

(Larger) Disaster Recovery Vendors

- Blackmon Mooring Steamatic Catastrophe BMS CAT http://www.bmscat.com/
- Belfor http://www.belfor.com/
- Midwest Freeze Dry http://www.midwestfreezedry.com/

Salvage Operations

Organize your disaster recovery team

- Should already be outlined in a disaster plan
 - Disaster Recovery Officer (leader of Disaster Team)

 - Recovery Specialist (leader of Recovery Team)
 Recorder/Photographer
 Campus and Public Relations Liaison
 - Logistics and Facilities Coordinator
 - Administrative Services Coordinator
 - Collections Representative
 Pack-Out/Relocation Supervisors
 - Systems Recovery Officer
- Establish command post and communication methods for the team

Salvage Operations

Document the damage before recovery starts

- Once safe the enter building, complete a preliminary tour
- Do not remove materials without documenting conditions
- Document conditions with a camera and or video recording
- Make notes and voice recordings to accompany photos
- Assign a recorder for decision-making

Salvage Operations

Communication and Funding

- Media liaison responsible for communicating disaster to public/media
 - Also responsible for making call for volunteers, if needed
- Establish availability of funding resources
 - May be OK from business office for reimbursements
 Institutional charge card

 - OK for charges incurred by disaster recovery firm

Salvage Operations

Establish Recovery Workflow

- Identify recovery worksite (clean water, facilities, data, parking, etc.)
 - **Cleaning station**
 - **Packing station**
 - Air drying areas
 - Pick up and delivery sites
 - Rest area for staff/volunteers

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Salvage Operations

Set up Transportation Plan

- Need to move books in an organized fashion from shelf to recovery site
 - Book trucks
 - Bucket brigade
 - Boxes/crates
 - Van or truck

Salvage Operations

Storage and Documentation

- Temporary storage must be easily accessible space
 - May serve as temporary access point
 - May serve as holding tank for vendor pickup
- Establish documentation procedures for materials pulled from the recovery site
 - Freeze
 - Air dry
 - Discard
 - Low/high priority salvage

Salvage Operations

- Sort materials by salvage type and priority
 - Some materials cannot be frozen

Betty Walsh Salvage at a Glance

http://cool.conservation-

us.org/waac/wn/wn19/wn19-2/wn19-207.html

- Some may need to be cleaned before freezing
- Some may be discardable
- Some may not be wet, just dirty or burned

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Salvage Operations Air Drying Library Materials Set up in cool, dry space with good air circulation and fans See Cornell University Library's excellent guidelines for recovery at: https://www.library.cornell.edu/preservation/librarypreservation/mee/manage ment/gettingstarted .html

