



Tools to Manage Digital Content



Agenda

- Overview
- Managing your E-Records
- Tools you can use
- WHS website resources
- Checksums
- Inventories
- Digitization project management





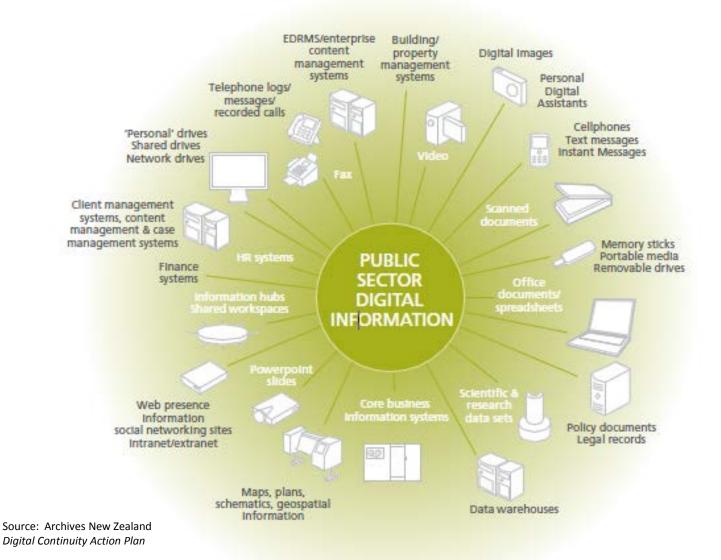
What is Digital Content?

- Digital content is any content that is published or distributed in a digital form, including text, data, sound recordings, photographs and images, motion pictures, and software.
 - Digital materials created from analogue sources
 - Born-digital content
- Digital materials you currently have or create or expect to have – that you want to preserve.





Digital Reality in 2017





of a Record

Creation

Records are created through employee activities and from external transactions and correspondence



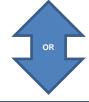
Distribute/Use/ File (Active Stage)

Active records are shared, used for decisions, evidence, and other business purposes



Historic Preservation

Records determined to have long term value are permanently preserved by the appropriate archival institution



Retention and Disposition

Records which have met the retention time set on an approved schedule are destroyed or transferred to an archival repository



Storage and Maintenance

(Inactive Stage)

Records that have lived past their immediate use but must remain accessible for reference

Destruction

Records without long term value are destroyed (some are destroyed confidentially)

Managing Your Records

Establish for <u>your</u> organization:

- How you manage & organize files
 - Share Drives
 - Personal Drives
 - CMS / Sharepoint / etc
- •File naming standards
- Organize photo collections

Distribute/Use/ File (Active Stage)

Active records are shared, used for decisions, evidence, and other business purposes



Storage and Maintenance

(Inactive Stage)

Records that have lived past their immediate use but must remain accessible for reference



File Naming

- Why is this important?
 - To prevent accidental overwriting
 - To help you find it again



Train Wreck Image ID: WHi-2011

Don't use special characters in your file/folder titles
 (^"<>|?\/: @'* &)

...... Just because you CAN doesn't mean you SHOULD





File Naming

- Keep folder / document titles short and descriptive
- Date your documents consistently
 - yyyymmdd_brieftitle.xxx
- Clearly label drafts and revisions







File Management

- Store similar digital items together
 - Co-locate in a central location
- Don't bury items in multiple levels
- Get rid of easy-to-purge items
 - Rescued or recovered documents
 - Empty file folders
 - ~.tmp files





File Management

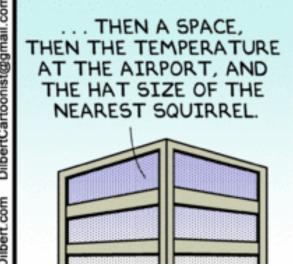
- Make decisions about what NOT to keep
 - File backups/copies/drafts
 - Supplementary files that provide no additional long-term value
 - Corrupted files
 - Certain file formats
- Leave breadcrumbs





Document Those Decisions







Create documents standardizing:

- File naming conventions
- Folder organization
- Acceptable formats



Tools to Help Manage Files

- Remove empty directories
- Remove duplicates
- Review photo collections
- Rename files





Remove Empty Directories

The application searches and deletes empty directories recursively below a given start folder and shows the result in a well arranged tree

https://sourceforge.net/projects/rem-empty-dir/?source=directory



Remove Duplicate Files

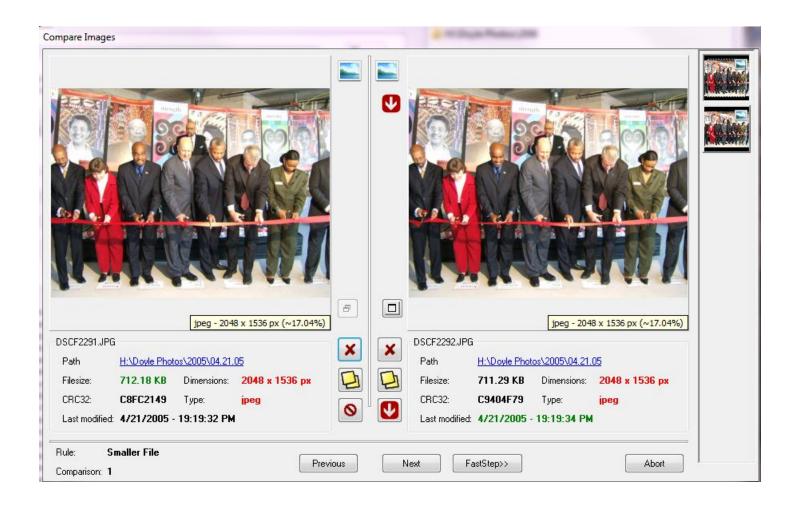
- Auslogics Duplicate File Finder
 http://www.auslogics.com/en/software/duplicate-file-finder/
- Similar Images
 http://similarimages.en.softonic.com/
- VisiPics
 http://www.visipics.info/index.php?title=Main_Page







Similar Images





Visipics

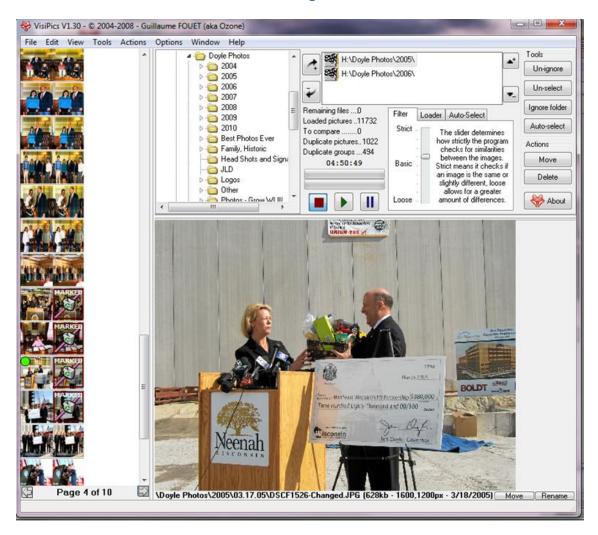




Image Viewer

IrfanView

http://www.irfanview.com/

Tool with many different capabilities for image manipulation/editing

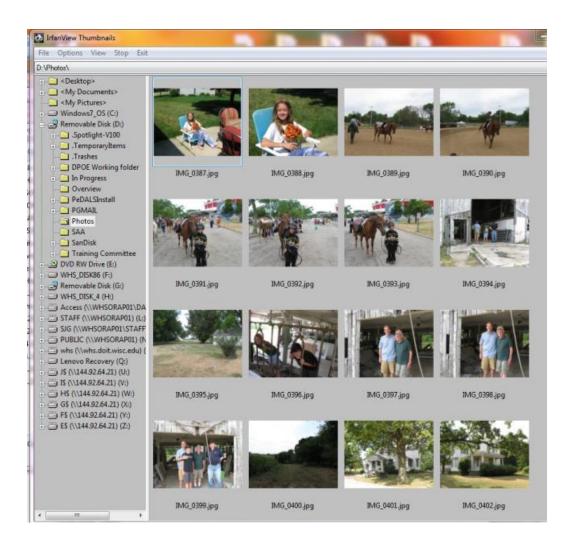
For photos, we can easily view an entire folder's worth of images at one time







Irfanview





Rename Your Files

Advanced Renamer

https://www.advancedrenamer.com

Advanced Renamer is a free program for renaming multiple files and folders at once.

You can construct new file names by adding, removing, replacing, changing case, or giving the file a brand new name based on known information about the file.



WHS Website



Resources for state and local government record keepers

https://www.wisconsinhistory.org/Records/Article/CS15415

Contact Us: govarc@wisconsinhistory.org



Fixity & Checksums

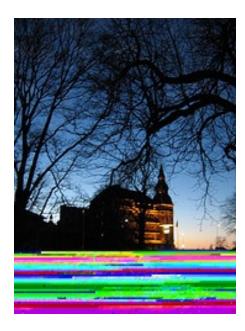


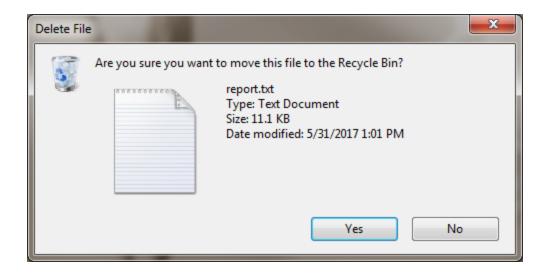
Image ID 95738



Fixity

- Digital files are at risk of:
 - Degradation/corruption (storage)
 - Accidental changes/deletion (humans)
- Fixity = Digital file has remained unchanged

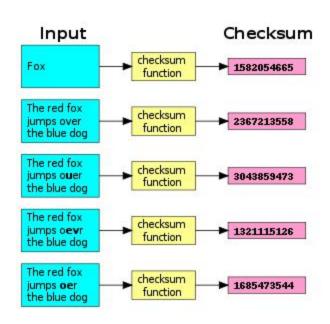






Checksums

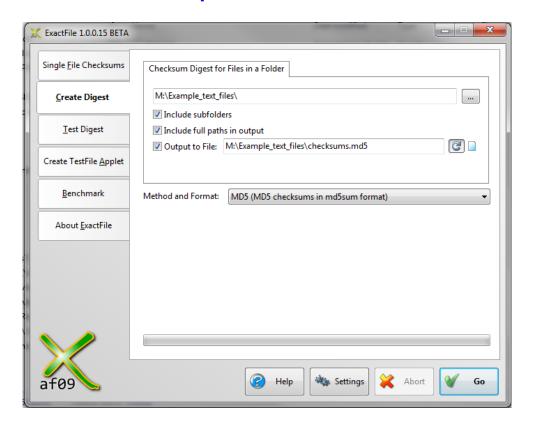
- Checksums are used to establish and monitor fixity
- A program runs a function against the contents of a file
- The resulting checksum is a short string of letters/numbers
- Each file produces a unique checksum
- An unchanged file will always produce the same checksum



Checksum = Fingerprint

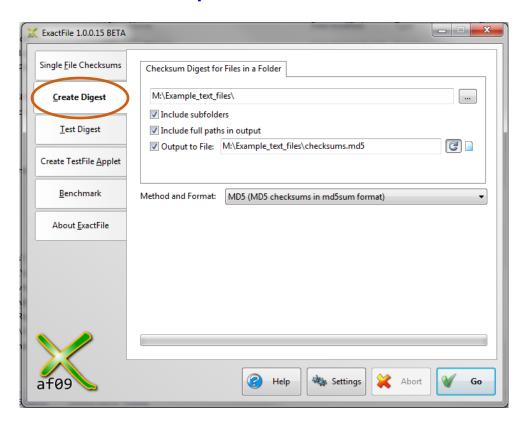


- Utility for generating checksums on Windows (one of many)
- Free, easy to download: http://www.exactfile.com/downloads/



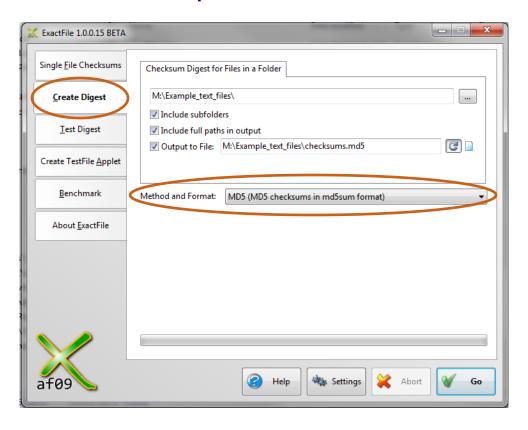


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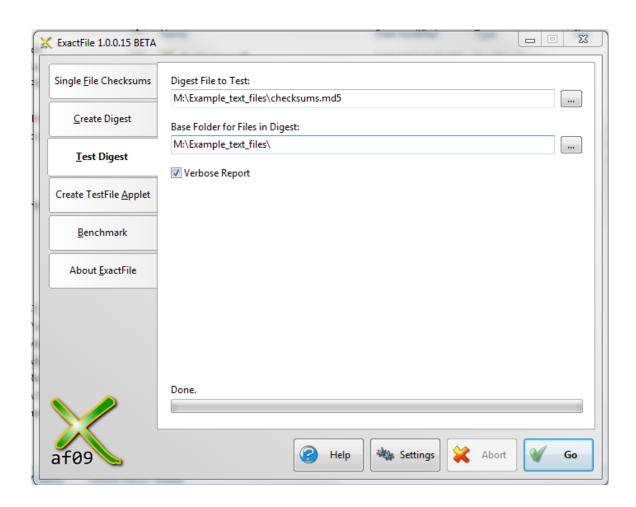
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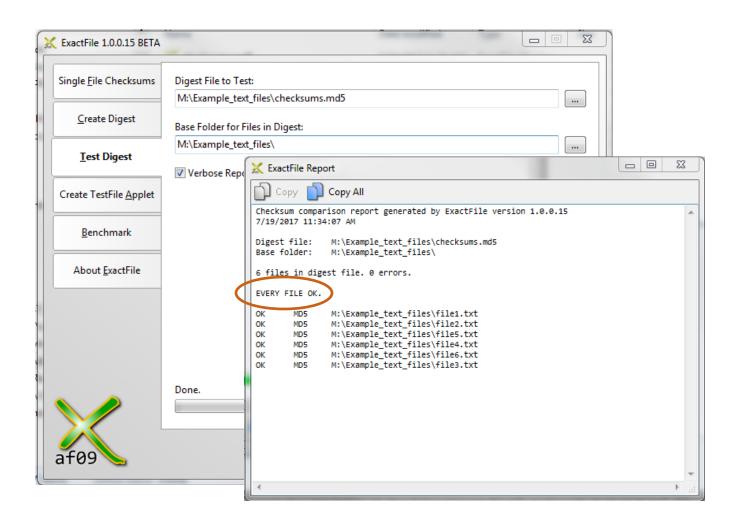


```
X ExactFile Report
                Copy All
 ; Checksums generated by ExactFile 1.0.0.15
 ; http://www.exactfile.com
 ; 7/19/2017 11:32:20 AM
eff058e5eeb6f32808ad0ac37240e00e *M:\Example_text_files\file1.txt
 c3527da035d5b94e7d2c1f9f6d2e51e3 *M:\Example_text_files\file2.txt
a2277f6c0a6dd5b5f46a993bb2c75a3b *M:\Example_text_files\file5.txt
8e6a42ea0f3c820be3aa8492f84dc9d1 *M:\Example_text_files\file4.txt
cfdab80bf6871e112960f4896999eaa0 *M:\Example_text_files\file6.txt
9e5bb211525e229214c1697c1ad33bcd *M:\Example_text_files\file3.txt
 ; 6 files hashed.
```

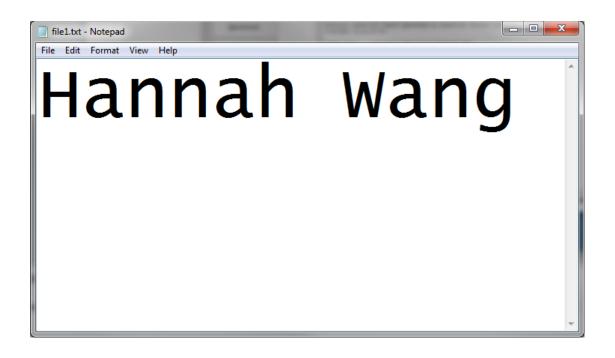




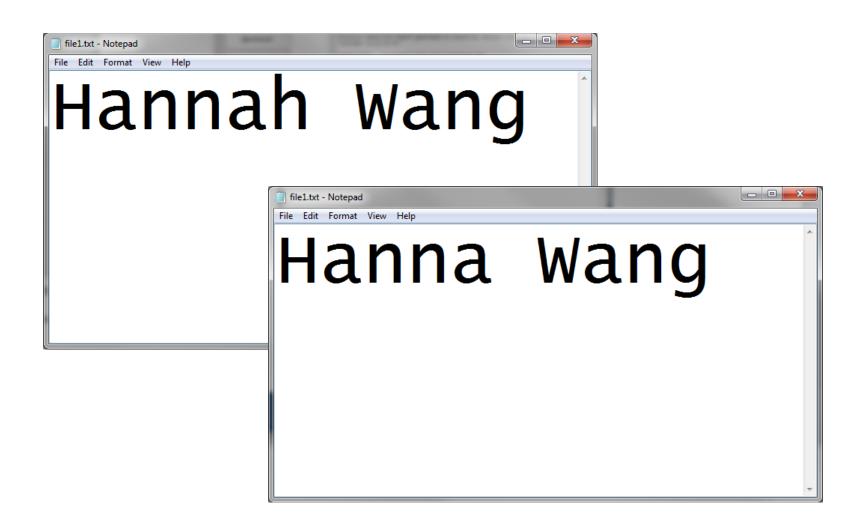




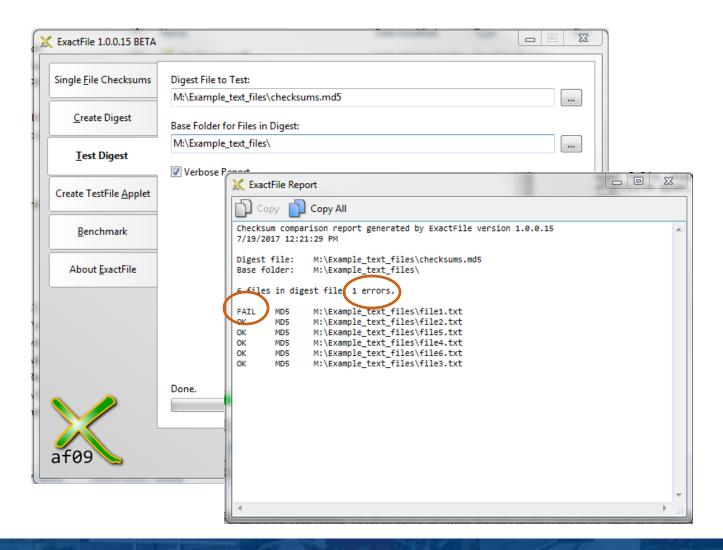














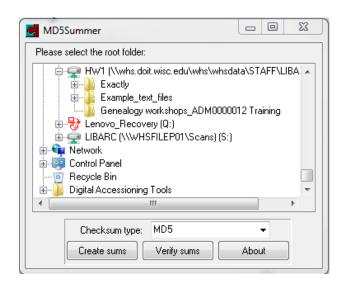
Other Fixity Checking Tools

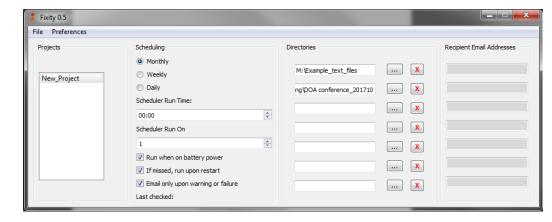
md5summer

- Similar to ExactFile
- Fewer options and settings
- •http://www.md5summer.org/download.html

Fixity

- Schedule routine validations
- Generate and email fixity reports
- https://www.avpreserve.com/to ols/fixity/







Inventories



Image ID 81752



Shared Drive Inventories

	А	E	F	G	Н
1	Folder Name	General Summary of Contents	Assigned To	Proposed dispositio	Final Disposti
2	AEB	Current Personal Files	Кеер	Кеер	Keep
3	AJB	Current Personal Files	Кеер	Keep	Keep
4	AJN	Current Personal Files	Кеер	Keep	Keep
5	AJS	Current Personal Files	Кеер	Keep	Кеер
	Andrea	Project files for Lynda Barry and Emile	Michael E.	Keep and transfer	Deleted
6		Quiner			
7	AWK	Current Personal Files	Кеер	Keep	Keep
8	AXD	Current Personal Files (but empty)	Mullen	Evaluate	Deleted
9	AXJ	Current Personal Files (but empty)	Кеер	Кеер	Кеер
	BB3	Ben Brewster M: drive - Lots of older/odd	Huelsbeck	Evaluate and delete	Deleted
10		formats			
11	CAB	Current Personal Files	Кеер	Keep	Кеер
12	CBJ	Current Personal Files	Кеер	Keep	Keep
	cd1	Collection of Manuscript abstracts, EADs,	Krause	Evaluate	Deleted
13		inventories, arrangements			
	CIRC	Lots of folders, but not much content. Much	Hemming	Evaluate	Deleted
14		is likely out of date			
15	CM4	No real content	Knies	Evaluate	Deleted
16	CM8	Personal Drive	Krause/Knies		TBD
	CMM	Several Accessions/Appraisals that were	Snyder		Deleted
17		apparently printed out			



Column Headers

- Folder Name
- Date Range
- Files/Folders (#)
- Division
- Owner Listed
- General Summary of Contents
- Assigned To
- Keep/Delete/Transfer
- Schedule
- Event
- Disposition
- Completed Date



Image ID 8330



DIR Command

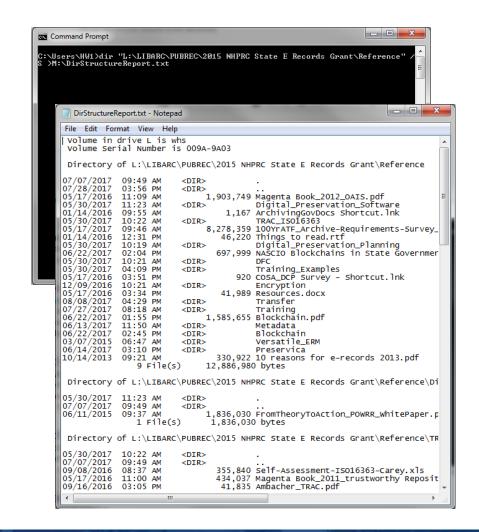
- DIR = directory (folder)
- Simple command prompt scripts to create reports of directory structures
- Output can be used to create inventory spreadsheets
- Good for:
 - Large, complex shared drives
 - Remote analysis

```
C:\Users\HWI\dir "L:\LIBARC\PUBREC\2015 NHPRC State E Records Grant\Reference" \( \)
S \( \)M:\Dir\Structure\Report.txt \( \)
```



DIR Command

- DIR = directory (folder)
- Simple command prompt scripts to create reports of directory structures
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- Good for:
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DIR Inventories

+	759				
	760	Directory	of S:\SO\S	O-Share\SO-Admin\D	WD Overview 2010 for New Admin_ADM00021_EVT_2 yrs
+	795				
	796	Directory	of S:\SO\S	O-Share\SO-Admin\F	orms-Templates-Logos-Misc
+	822				
	823	Directory	of S:\SO\S	O-Share\SO-Admin\F	orms-Templates-Logos-Misc\Table Tents
Г٠	824				
	825	3/3/2016	10:36 AM	<dir></dir>	
١.	826	1/12/2017	4:00 PM	<dir></dir>	
	827	6/15/2010	3:58 PM	62,976	06-16-10 Hessen Delegation.doc
	828	9/3/2009	1:30 PM	21,504	09-08-09 SESP Leadership Team Meeting.doc
	829	10/27/2010	5:00 PM	20,992	10-28 10 Manitoba Green Jobs Workshop.Plus.doc
·	830	10/27/2010		66,048	10-28-10 Manitoba Green Jobs Workshop.doc
·	831			77,824	10.10.11 Minhang Delegation Visit table tents.doc
	832			27,136	DWD Logo TENT CARDS 2.doc
·	833			63,488	DWD Logo TENT CARDS.doc
	834			19,456	Name Tents for Jan 30 mtgdoc
	835	-, -,			TEMPLATE - TABLE TENTS 2.doc
	836				TEMPLATE - TABLE TENTS.doc
	837				Tents - Health Care Committee.doc
١.		11/18/2009			Tents - WSSI Staff Team.doc
Γ.	839 840		12 File	(s) 540,160	bytes



DIR Inventories

33							
	Directory	of S:\SO\S	O-Share\SO-Admin\D	WD Overview 2010 for New Admin_ADM00021_EVT_2	30 files	2010-2011	Transition / info for new admins - do any of these describe [
34				yrs			policy programs and need to be transferred to WHS?
35							
36 [Directory	of S:\SO\S	O-Share\SO-Admin\F	orms-Templates-Logos-Misc	20 files	2003 - 2015	Admin type docs
				1 0			71
37	,		,				
37	Directory			orms-Templates-Logos-Misc\Table Tents	12 Files	2003-2011	Admin type docs
37	Directory			orms-Templates-Logos-Misc\Table Tents	12 Files	2003-2011	
37 38 [39	,				12 Files 15 files	2003-2011	

	823	Directory	of S:\SO\S	O-Share\SO-Admin\F	orms-Templates-Logos-Misc\Table Tents
	824				
	825	3/3/2016	10:36 AM	<dir></dir>	
	826	1/12/2017	4:00 PM	<dir></dir>	
	827	6/15/2010	3:58 PM	62,976	06-16-10 Hessen Delegation.doc
	828	9/3/2009	1:30 PM	21,504	09-08-09 SESP Leadership Team Meeting.doc
	829	10/27/2010	5:00 PM	20,992	10-28 10 Manitoba Green Jobs Workshop.Plus.doc
•	830	10/27/2010	4:08 PM	66,048	10-28-10 Manitoba Green Jobs Workshop.doc
•	831	10/6/2011	10:46 AM	77,824	10.10.11 Minhang Delegation Visit table tents.doc
•	832	8/26/2013	11:16 AM	27,136	DWD Logo TENT CARDS 2.doc
	833	12/7/2011	5:57 PM	63,488	DWD Logo TENT CARDS.doc
	834	5/19/2003	9:53 AM	19,456	Name Tents for Jan 30 mtgdoc
•	835	4/7/2011	10:45 AM	20,992	TEMPLATE - TABLE TENTS 2.doc
•	836	2/19/2004	5:51 PM	19,456	TEMPLATE - TABLE TENTS.doc
•	837	3/15/2004	1:15 PM	82,432	Tents - Health Care Committee.doc
•	838	11/18/2009	8:58 AM	57,856	Tents - WSSI Staff Team.doc
•	839		12 File	(s) 540,160	bytes
	840				



Benefits of Inventories

- Distribute responsibility of managing records
- Breaks work into manageable pieces
- Keep track of decisions and progress



Image ID 7019



Digitization Guidance





Digitization Guidance Document Overview

- Why create a document?
 - The time was right!
- Two versions One for state agencies and one for local governments
 - Information identical except for procedure variances
- Accessible on WHS website:
 - https://www.wisconsinhistory.org/Records/Article/CS15428



Questions?









THANK YOU

wisconsinhistory.org

