




Adobe Lightroom

What is it and why should I care?

- 
- General background
 - Data handling
 - User interface/modules
 - Image management
 - Image processing
 - Image output
 - Examples

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What is it?



- A comprehensive environment for working on digital images?
- A digital asset management tool to help you keep track of your images and find them when you want?
- A digital image processing software for adjusting exposure, color, sharpness, etc.?
- A digital image output system for print, web, screen, projector, etc.?



It's all of these...


What isn't it?

- It isn't a graphic artist or design tool
- It isn't a pixel-level processing tool
- It isn't Photoshop



Then why should I care?



- 
- Ever loaded an image on your computer and then couldn't fit it?
 - Ever wanted to find all your images of Aunt Sue, or boats, or sunflowers but don't have time to look through your whole picture collection?
 - Ever needed to make small adjustments to exposure, brightness, color, etc. but didn't have the time to learn Photoshop?
 - Ever wanted to print the same image multiple times on a sheet of paper, or print an image to a specific size but the software that came with your printer won't let you do it or has complicated instructions?
 - Ever needed a slideshow but don't know how to get your images into another software tool?

Then you should care
about Lightroom.





General Features/Benefits

Digital Image Management

- One place to put all your images

Digital Image Protection

- Non-destructive editing

Digital Image Processing

- Easy to use adjustment tools


Digital Image Output

- Print, web, slideshow

Who should use it?

- Anyone interested in keeping all their images organized with tools to find specific images
- Anyone needing easy-to-use processing tools specifically for photographs
- Anyone who prints photographs, post to websites, creates slideshows, etc. and doesn't have time to learn complex software
- Pro, hobbyist, amateur, beginner - all skill levels



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Catalogs and image files

- Lightroom operates non-destructively
- Your image files are not changed while you work on your images in Lightroom
- Lightroom builds a *Catalog* that saves information on your images and then applies that information when you output
- Your original image file is unchanged so you always have it



Lightroom
Catalog



Computer

Original Images -
Hard Drive

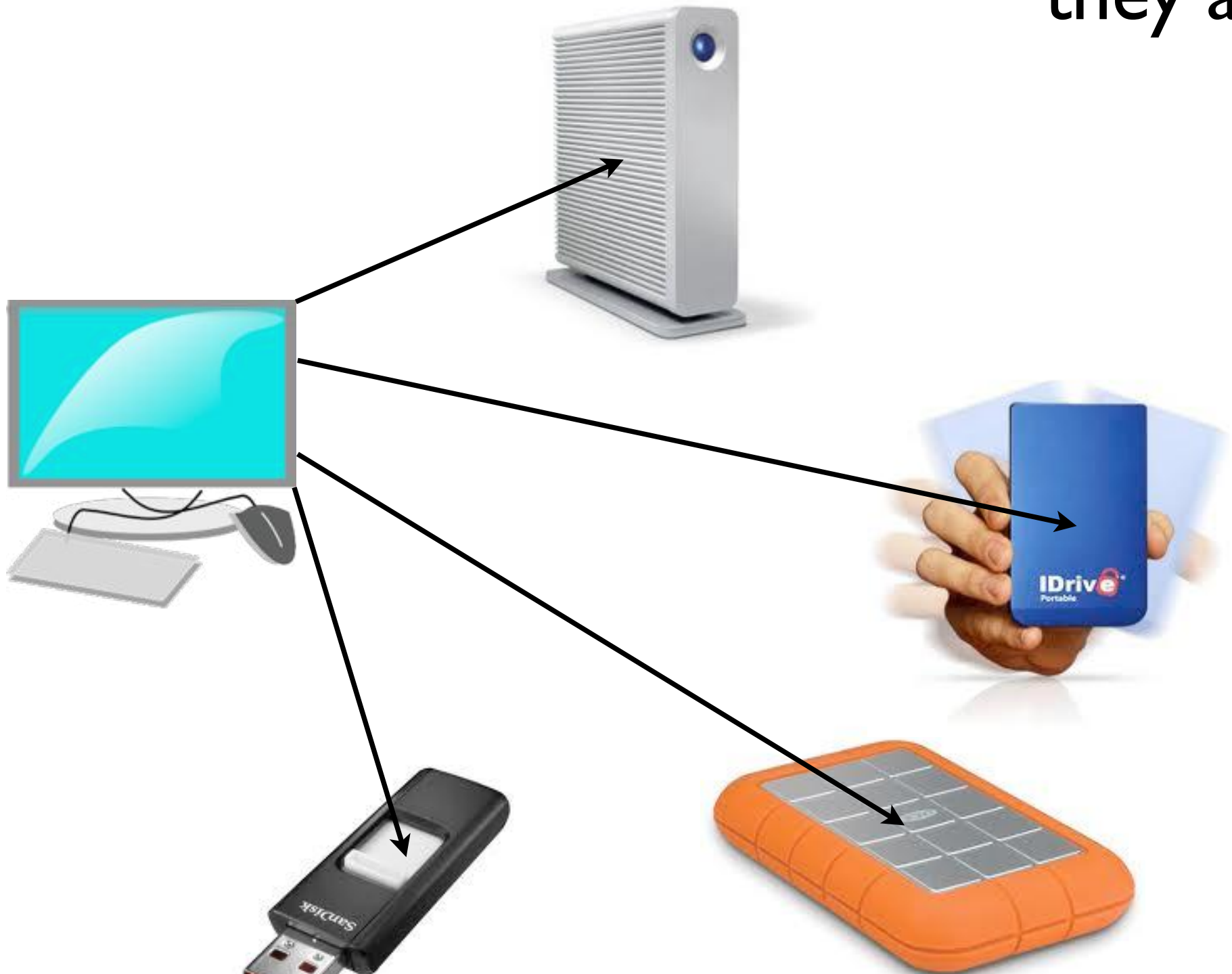
Storage



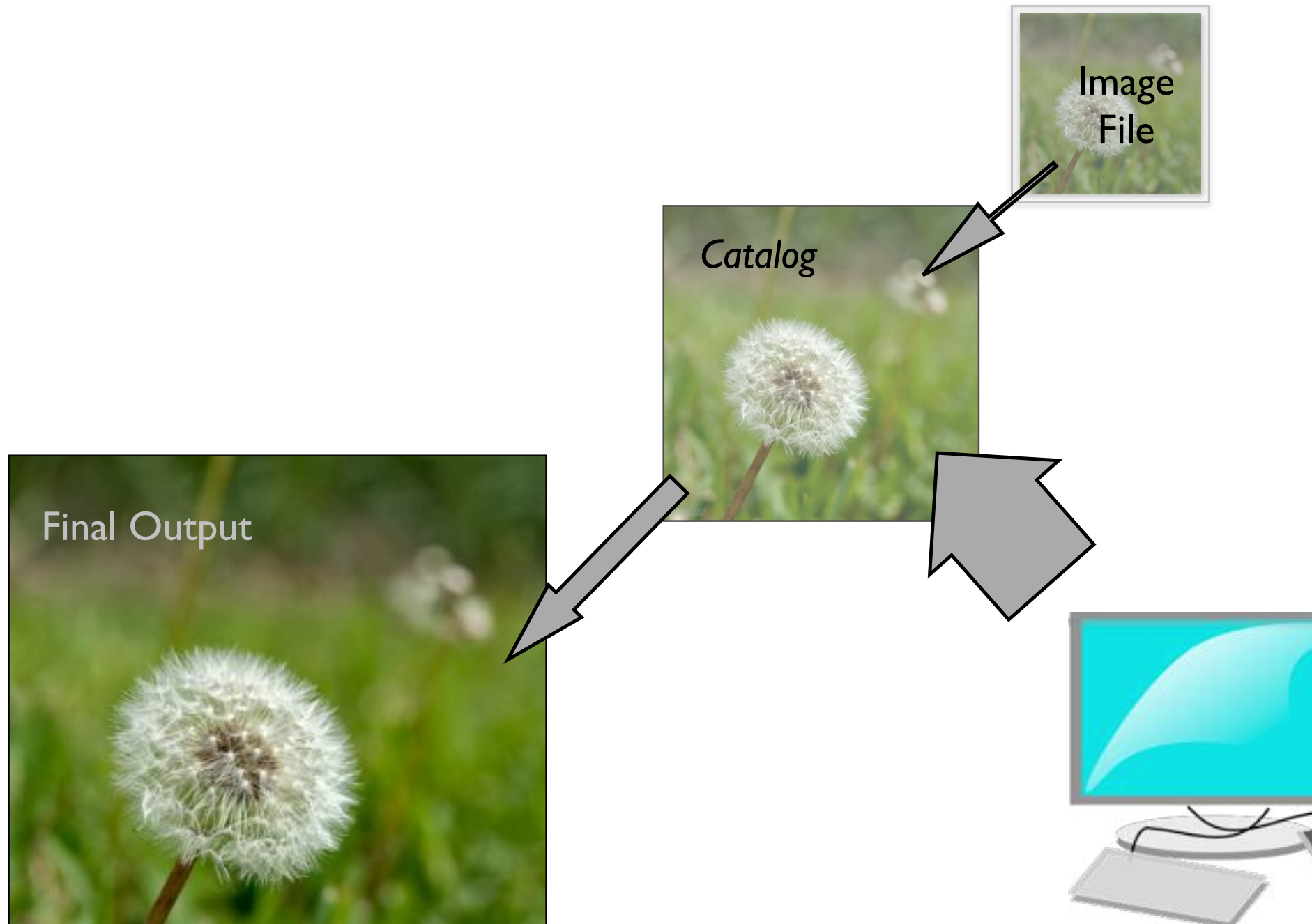
Using a *Catalog* means you can put your images anywhere




...as long as you tell Lightroom where
they are



of instructions to be applied to the image file late without making any changes to the original image



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So, what does it look like

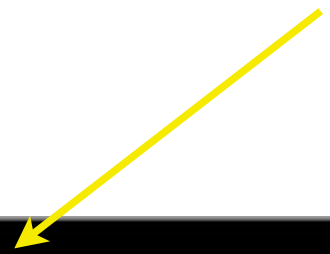
probably spend the most 1



Module P1



Library Mo



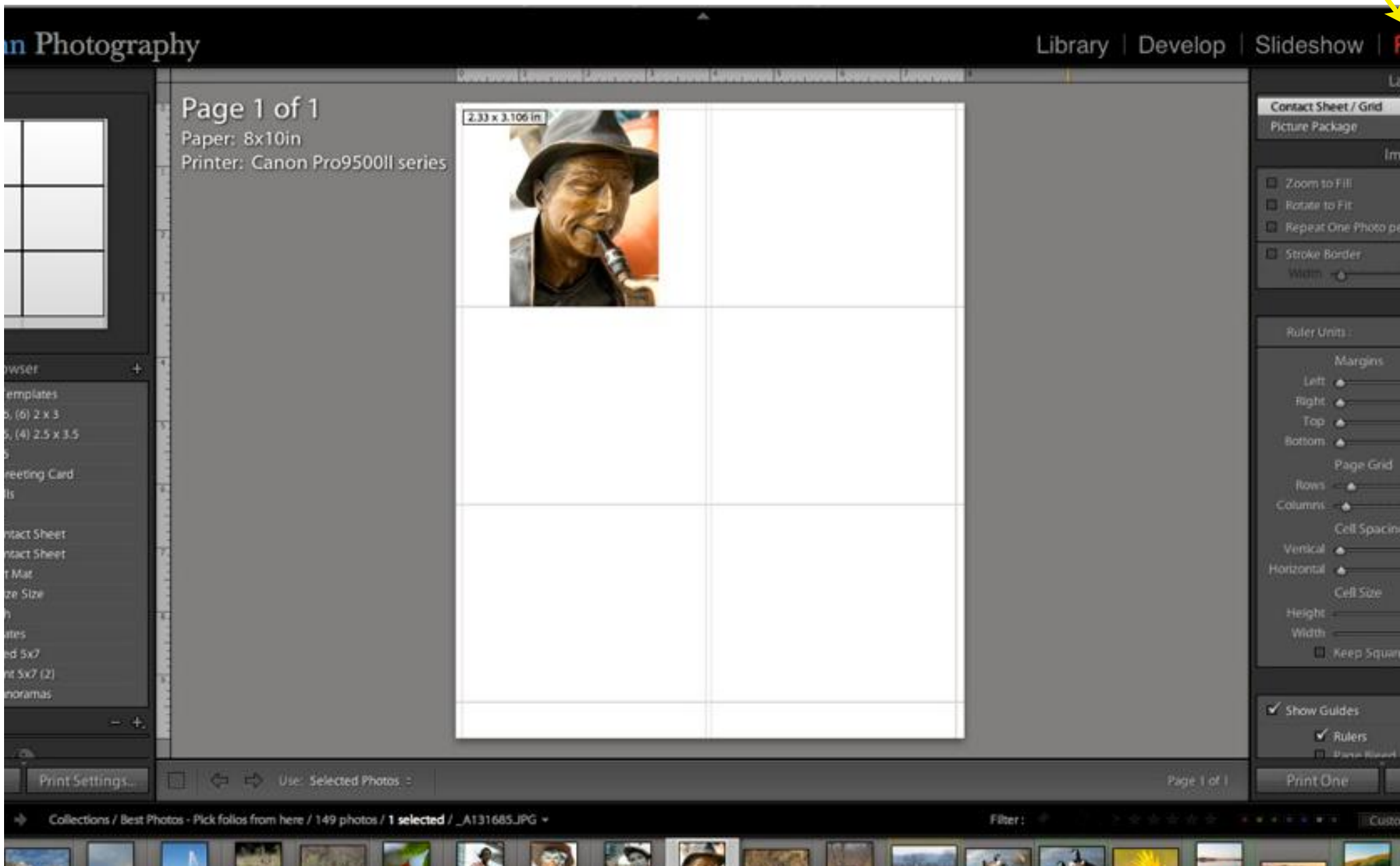
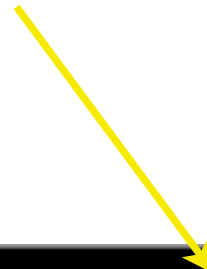
Develop Mo



Slideshow Mode



Print Module



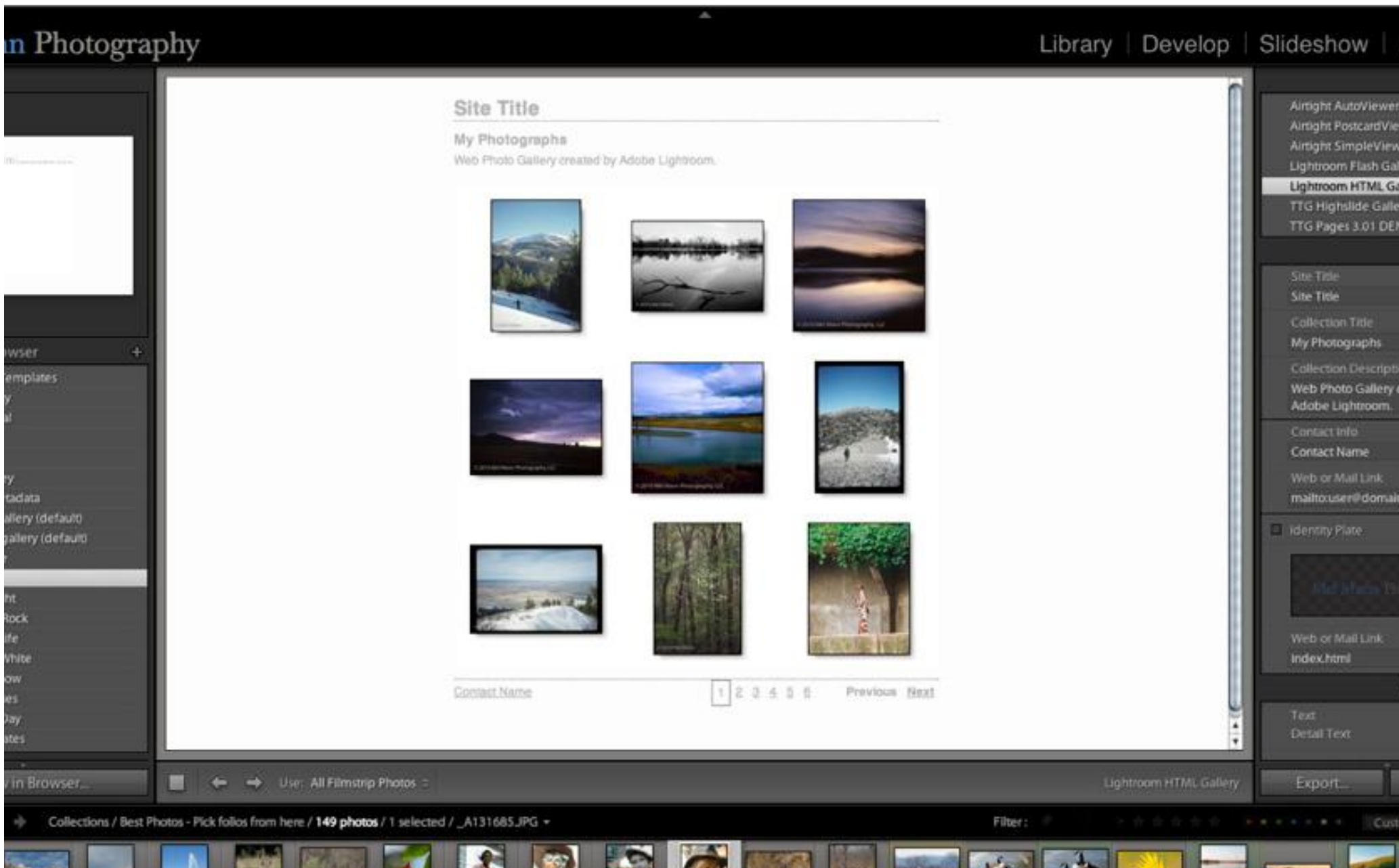


Image viewer - Grid IV

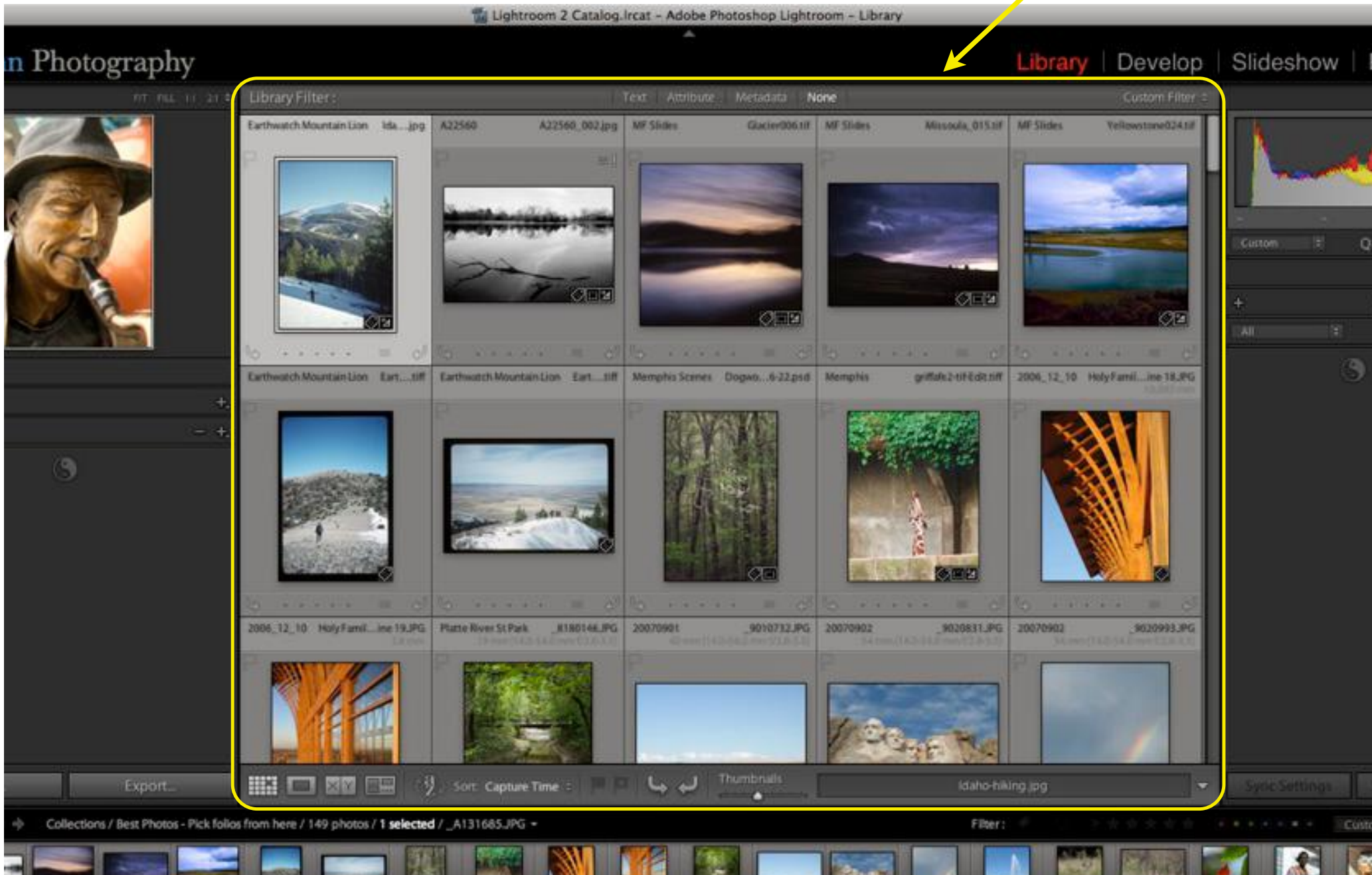


Image viewer - Loupe

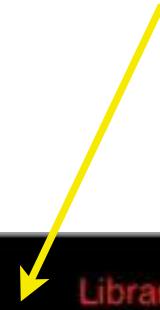
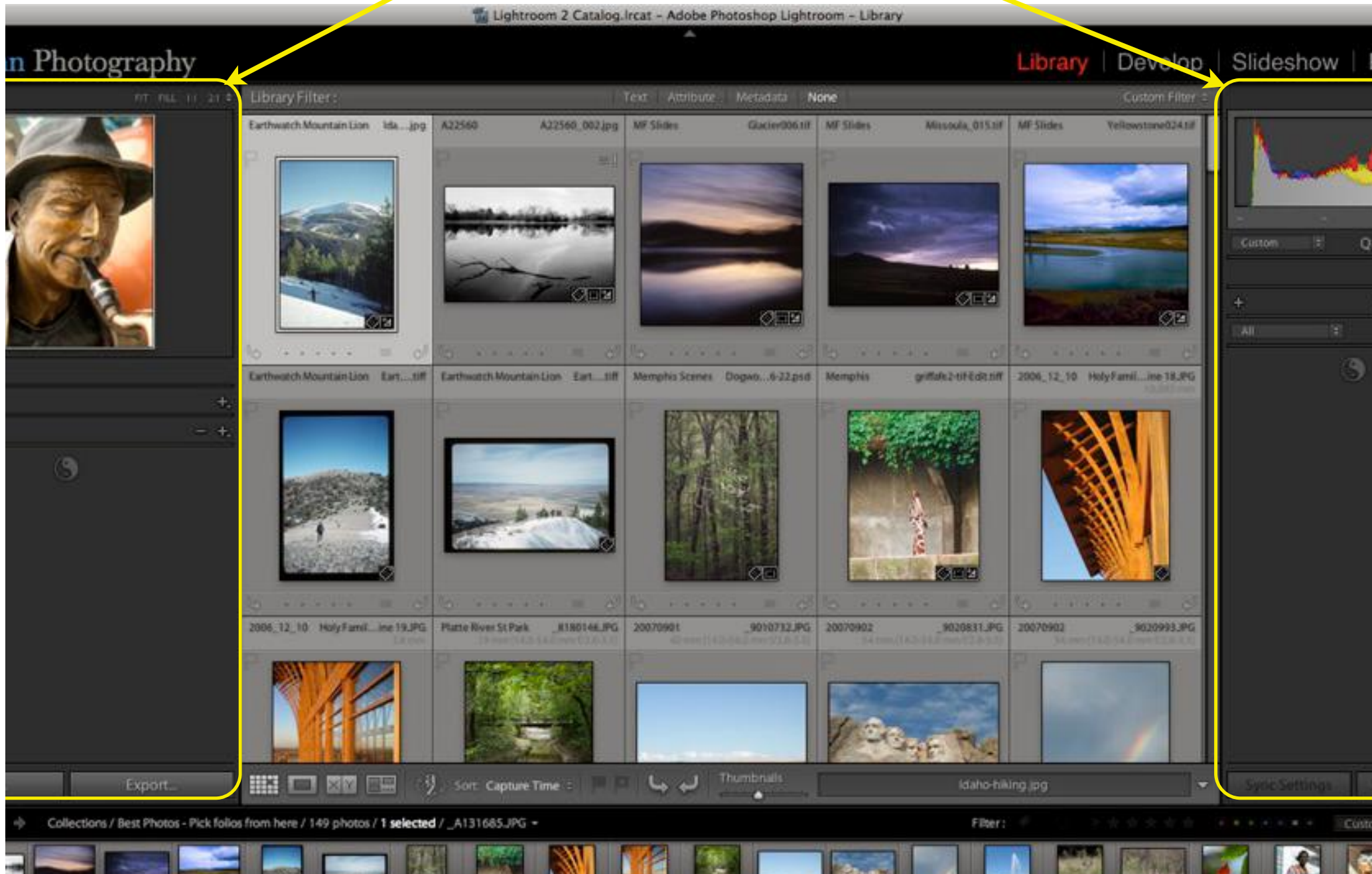


Image viewer - Compare Im



Control Panels



Mel Mann Photography

▼ Navigator

FIT FILL 1:1 2:1



► Catalog

▼ Folders

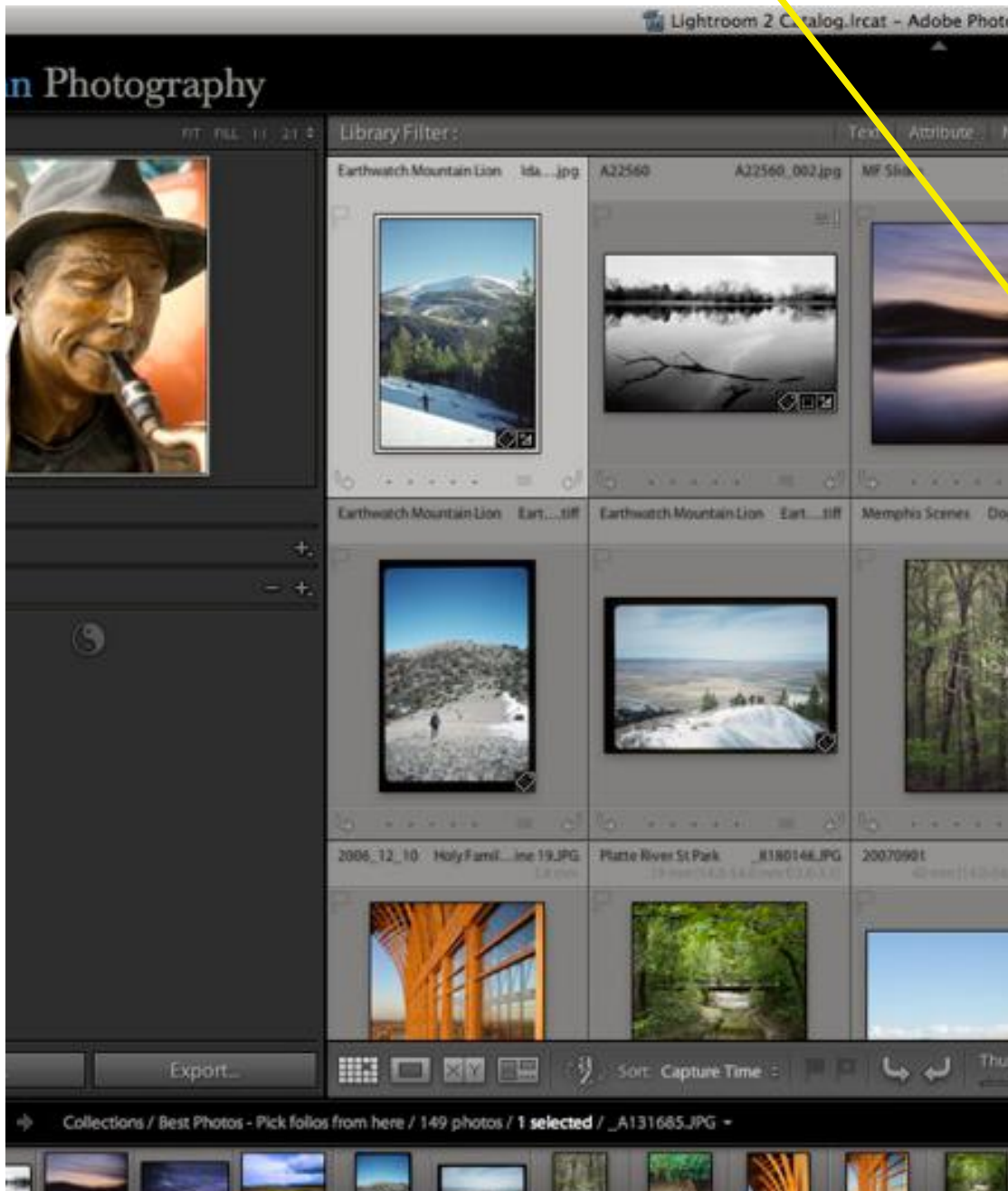
Macintosh HD	184 / 297 GB
Photo Archive II	19.3 / 931 GB
Seagate Blue	238 / 300 GB
20100917 - 20100917	31
20100918 - 20100918	141
▼ Homestead September - Homestea...	923
20100906	174
20100907	216
20100908	131
20100909	105
20100910	182
20100912	115
Negatives - Negatives	72

► Collections

Folder Structure



Metadata



All Metadata ▾

Preset None ▾

File Name _A131685.JPG ▾

Copy Name ▾

Folder Statues ▾

File Size 5.87 MB

File Type JPEG

Metadata Status Up to date ▾

Metadata Date 8/24/10 2:46:08 PM

Rating

Label ▾

Title ▾

Caption OLYMPUS DIGITAL CAMERA

EXIF

Dimensions 2736 x 3648

Cropped 2736 x 3648 ▾

Exposure $1/125$ sec at $f / 4.0$

Exposure Bias $3/10$ EV

Flash Did not fire

Exposure Program Normal

Metering Mode Pattern

ISO Speed Rating ISO 100

Focal Length 43 mm

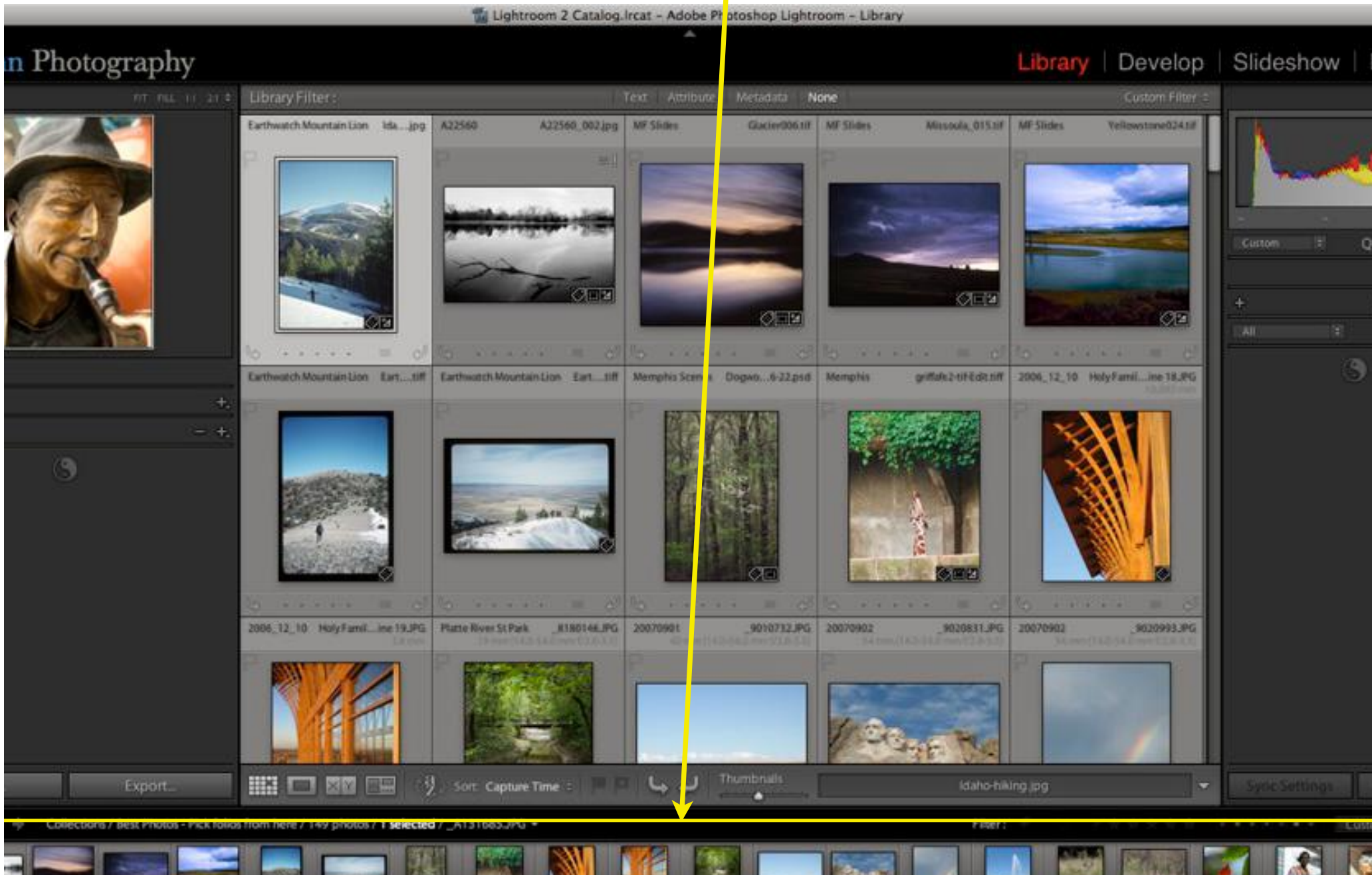
Lens 14.0-54.0 mm f/2.8-3.5


Date Time Original 10/13/07 11:55:4... ▾

Date Time Digitized 10/13/07 11:55:41 AM

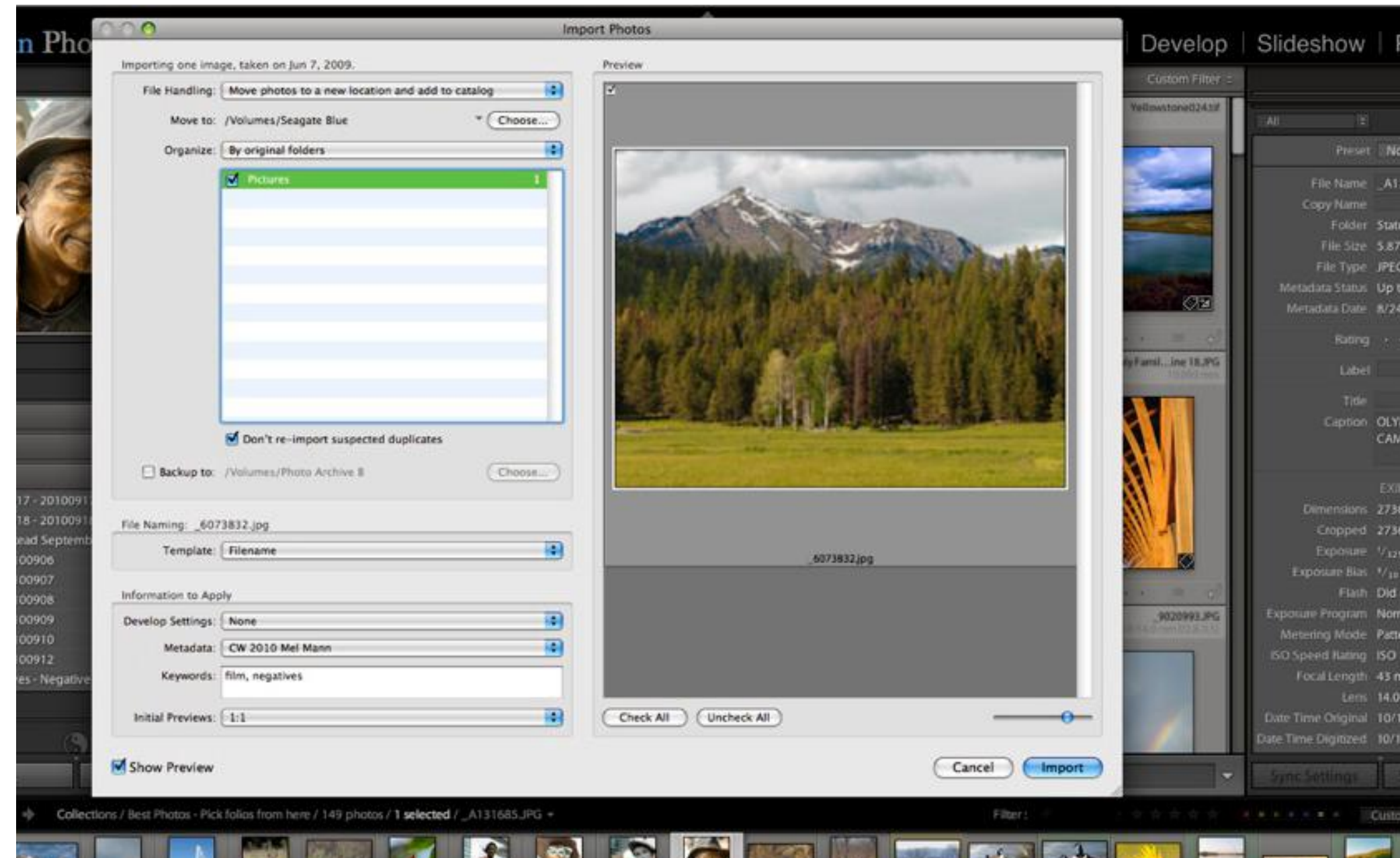
Sync Settings Sync Metadata

Filmstrip

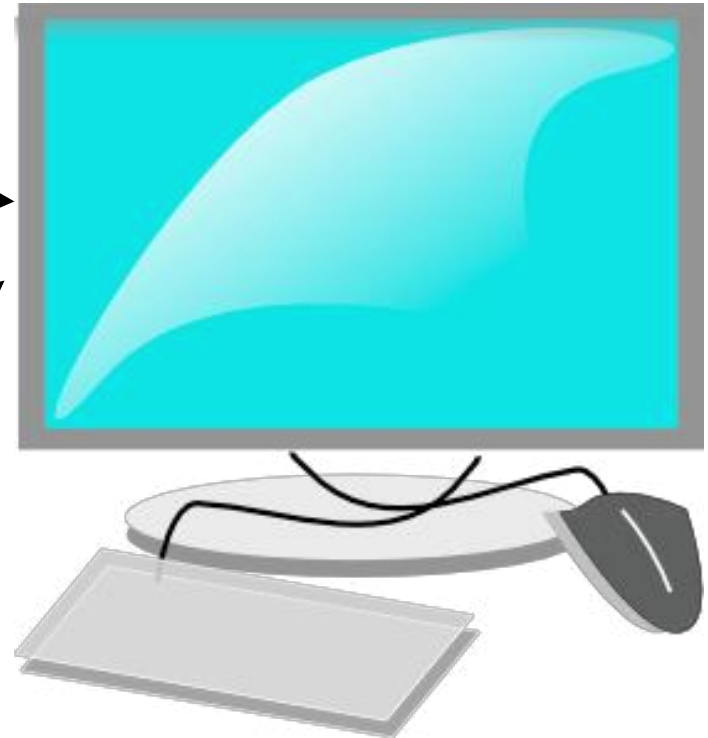


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Getting images into Lightroom



to computer



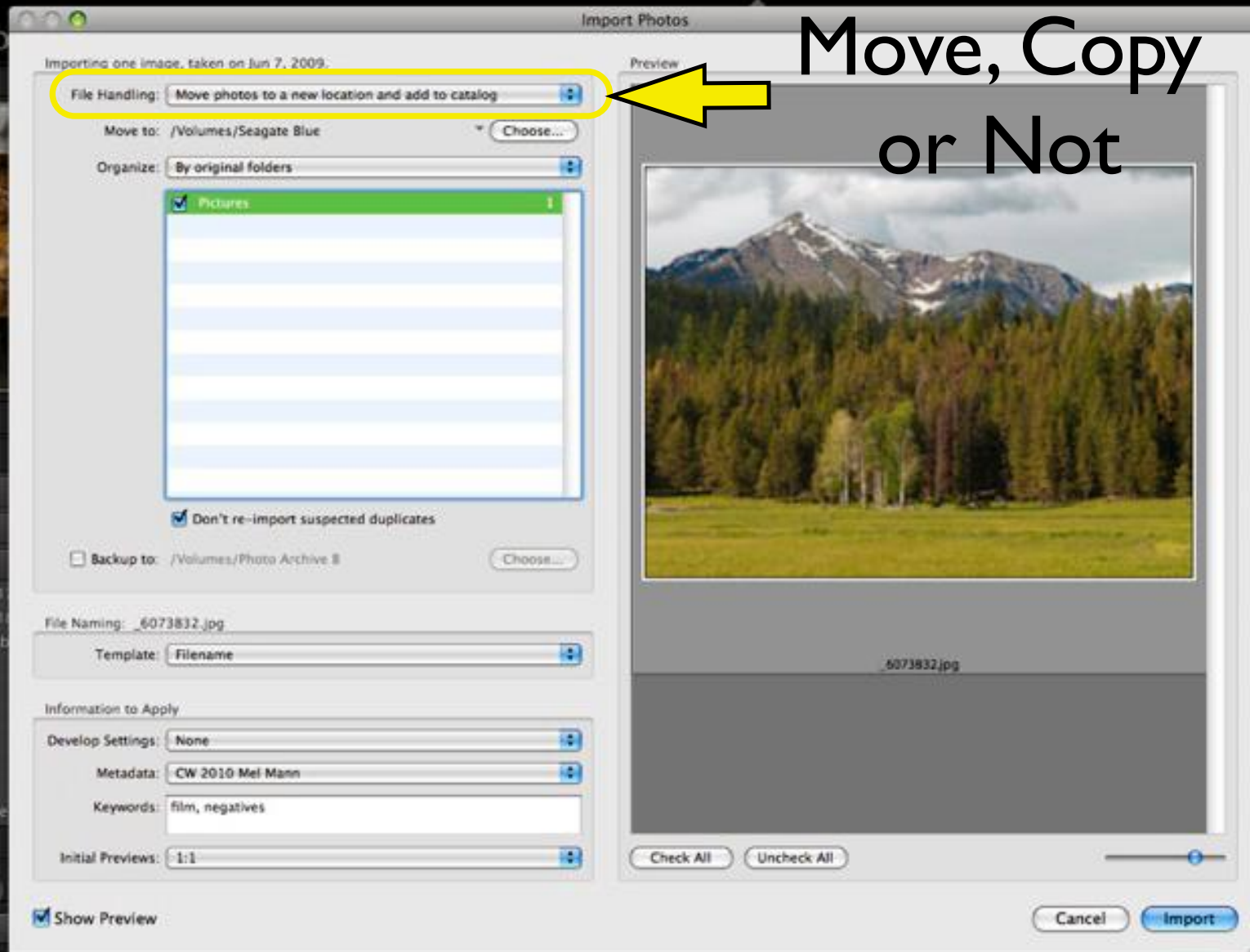


supported filetypes

- Camera RAW (most DSLR brands)
- JPEG
- DNG
- PSD
- TIFF

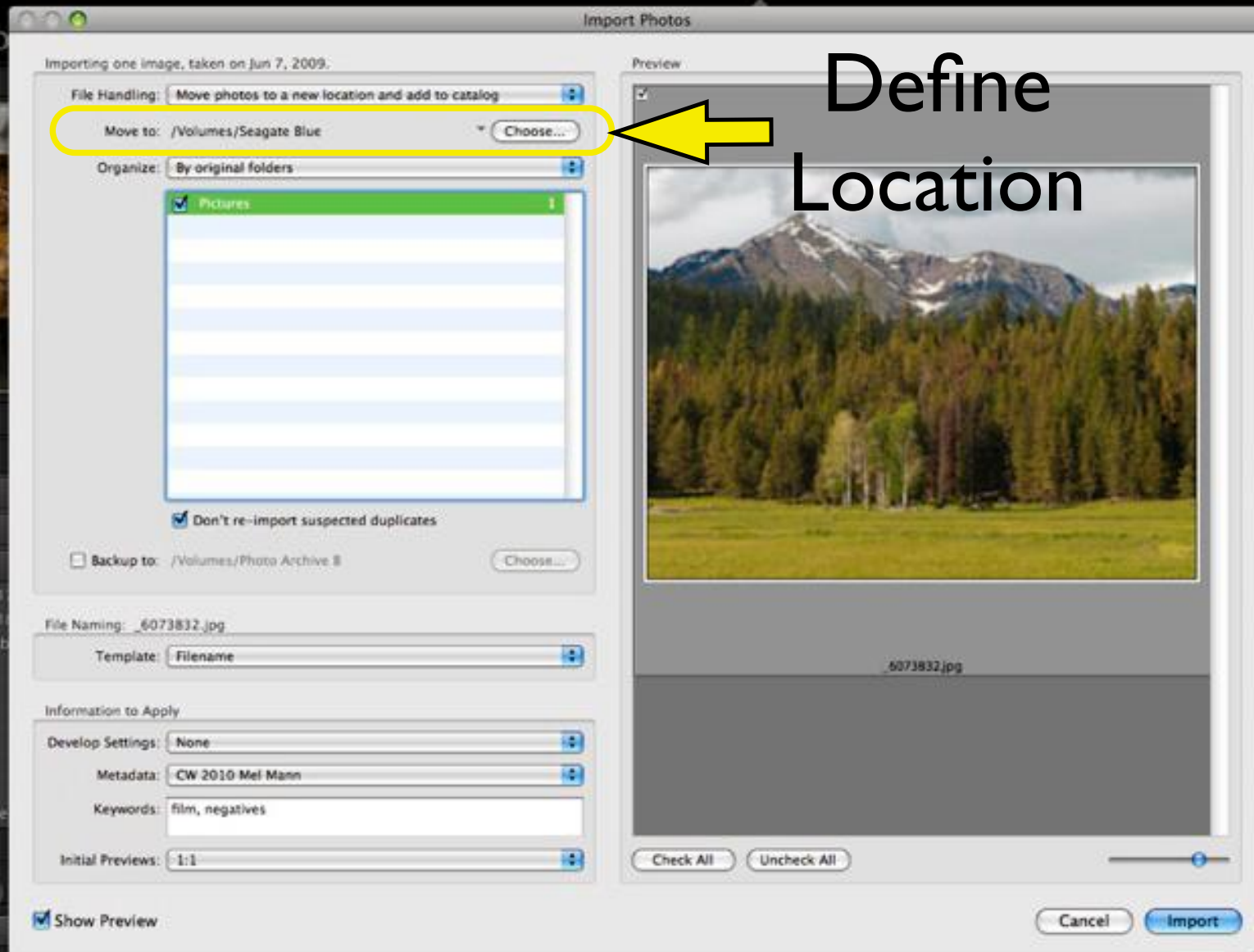
Getting images into Lightroom

Move, Copy
or Not



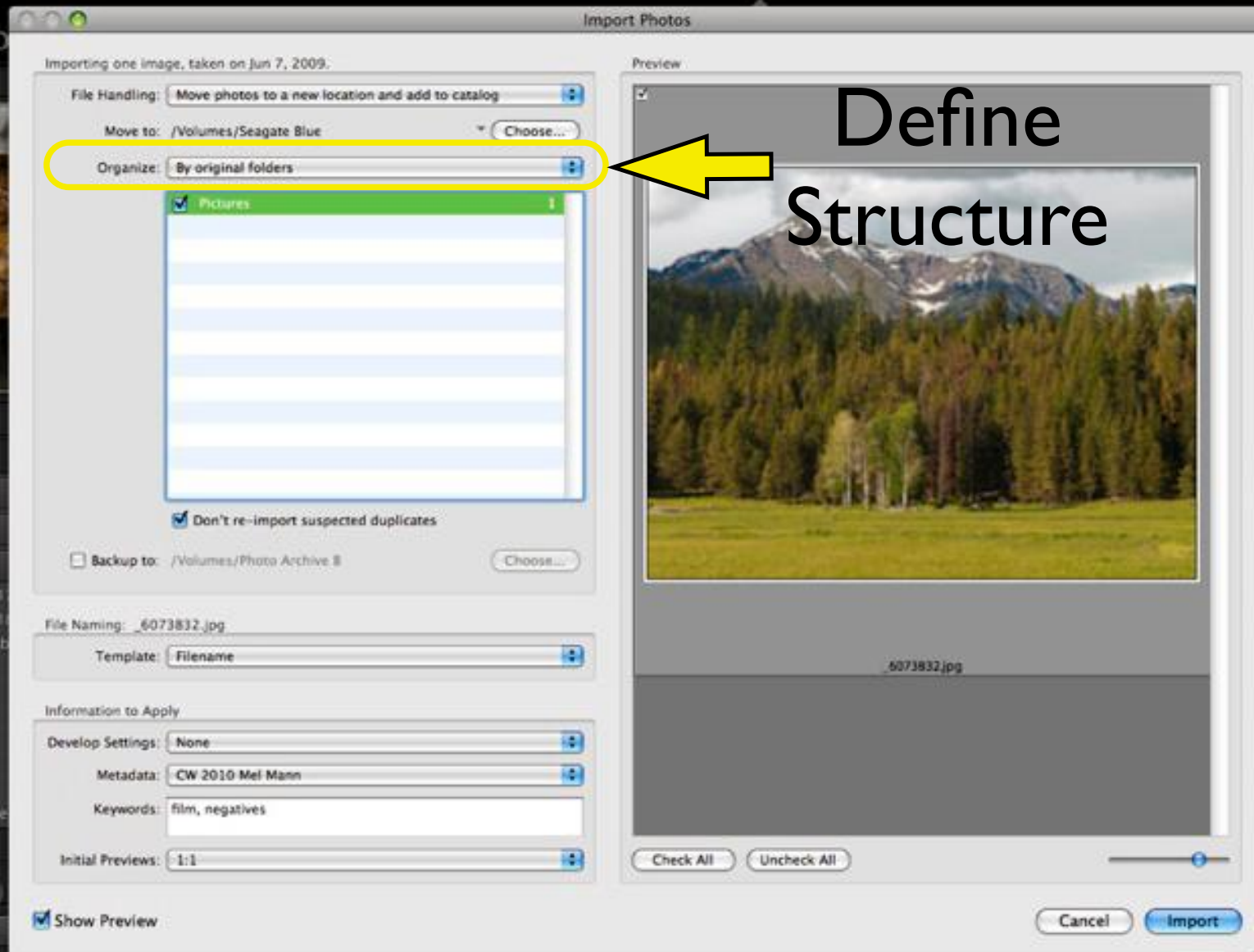
Getting images into Lightroom

Define
Location

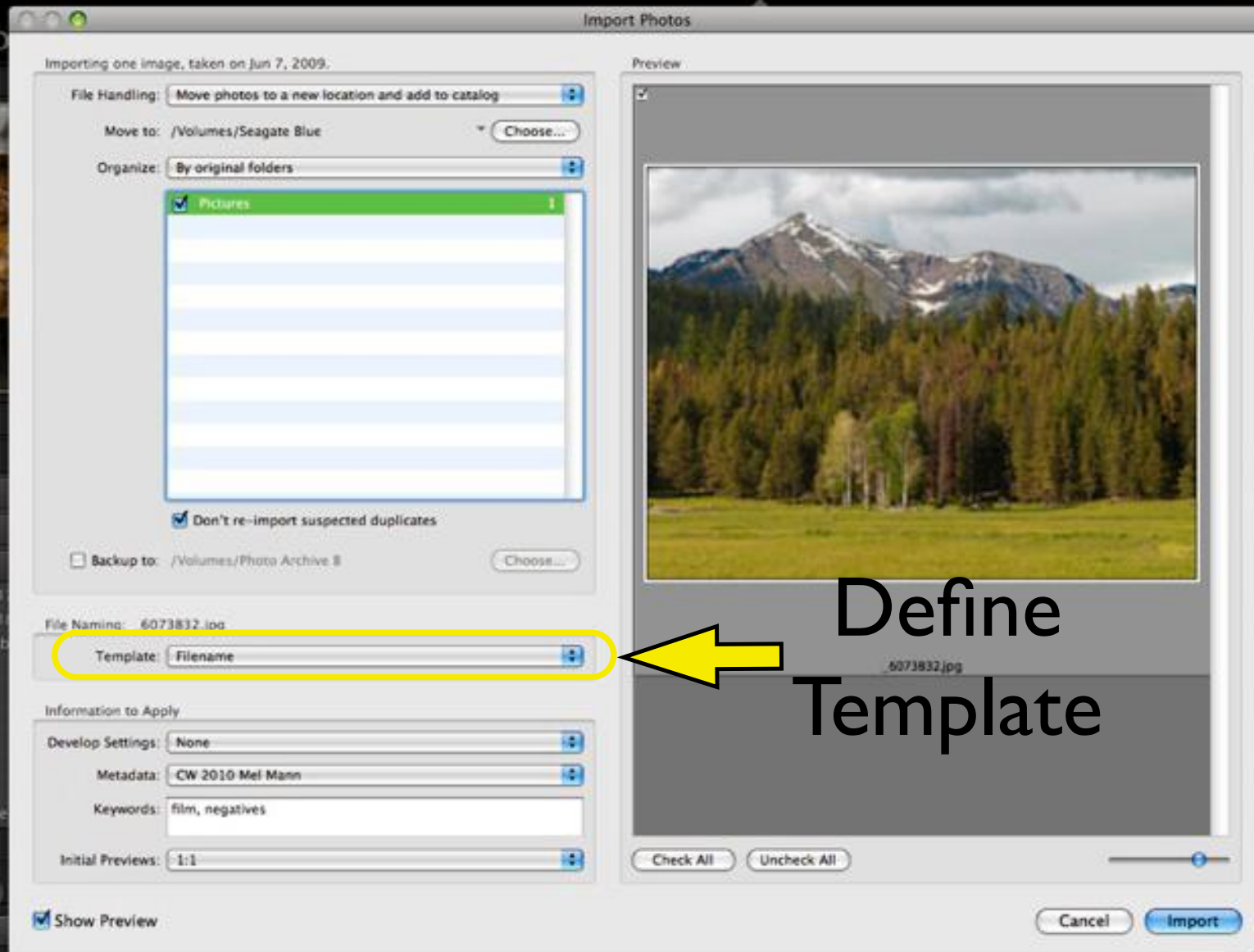


Getting images into Lightroom

Define
Structure

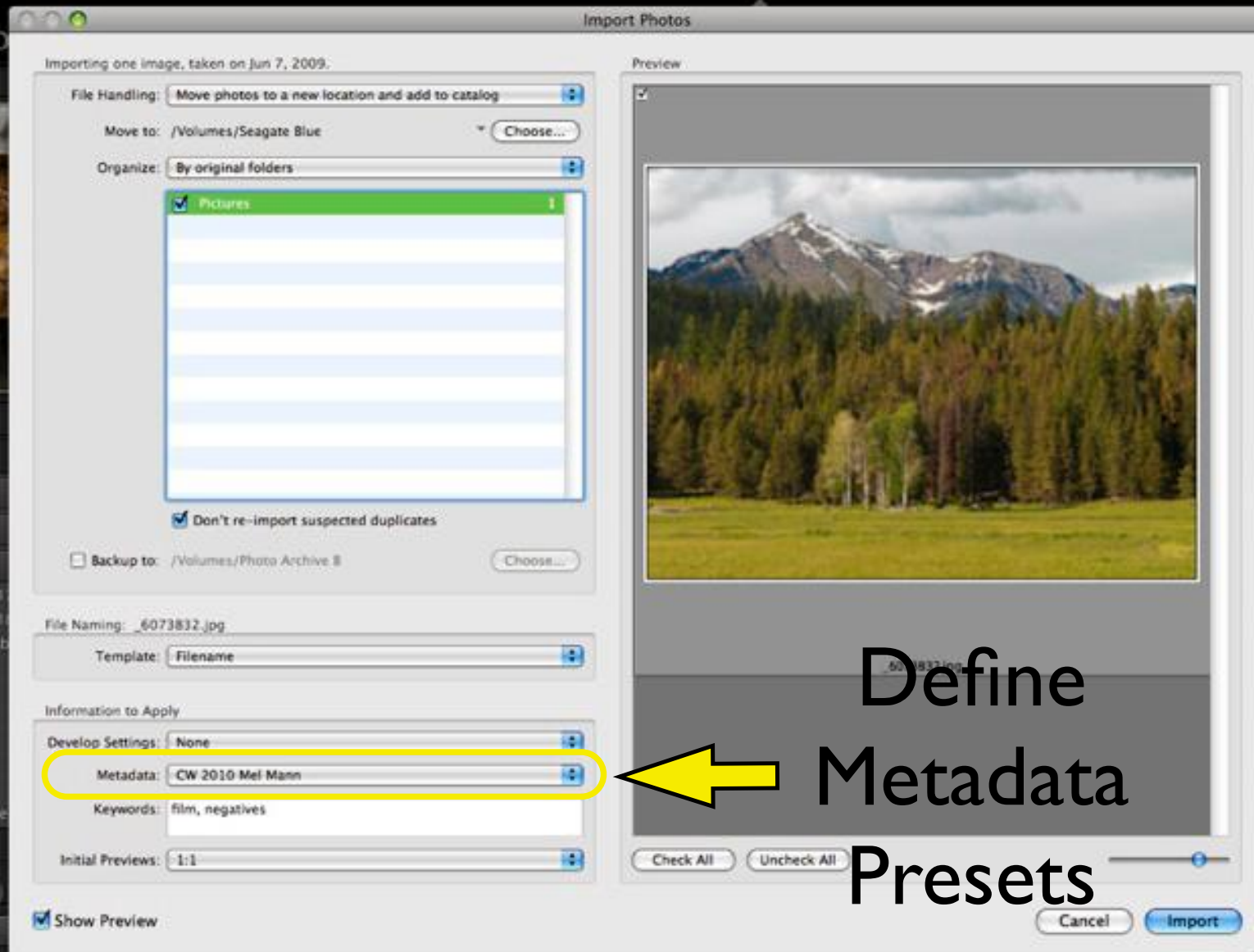


Getting images into Lightroom



Define
Template

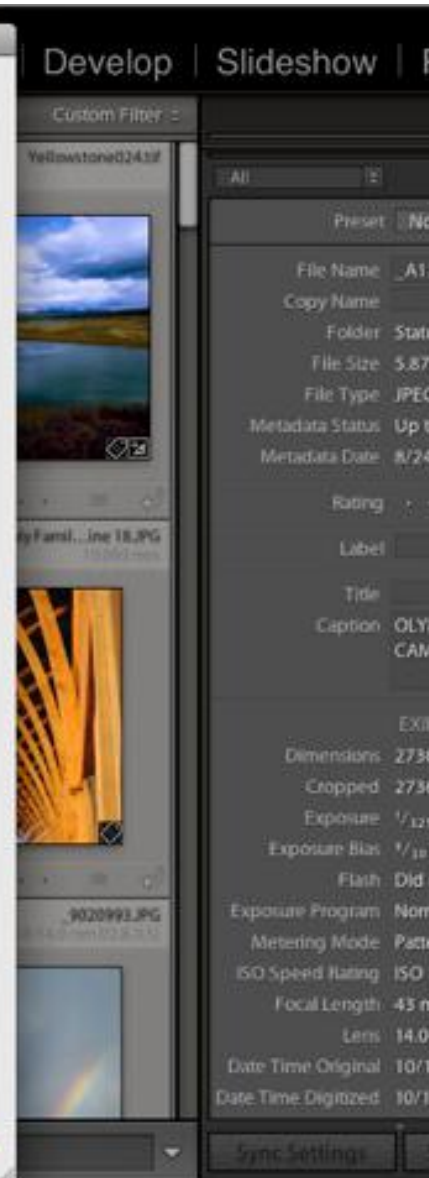
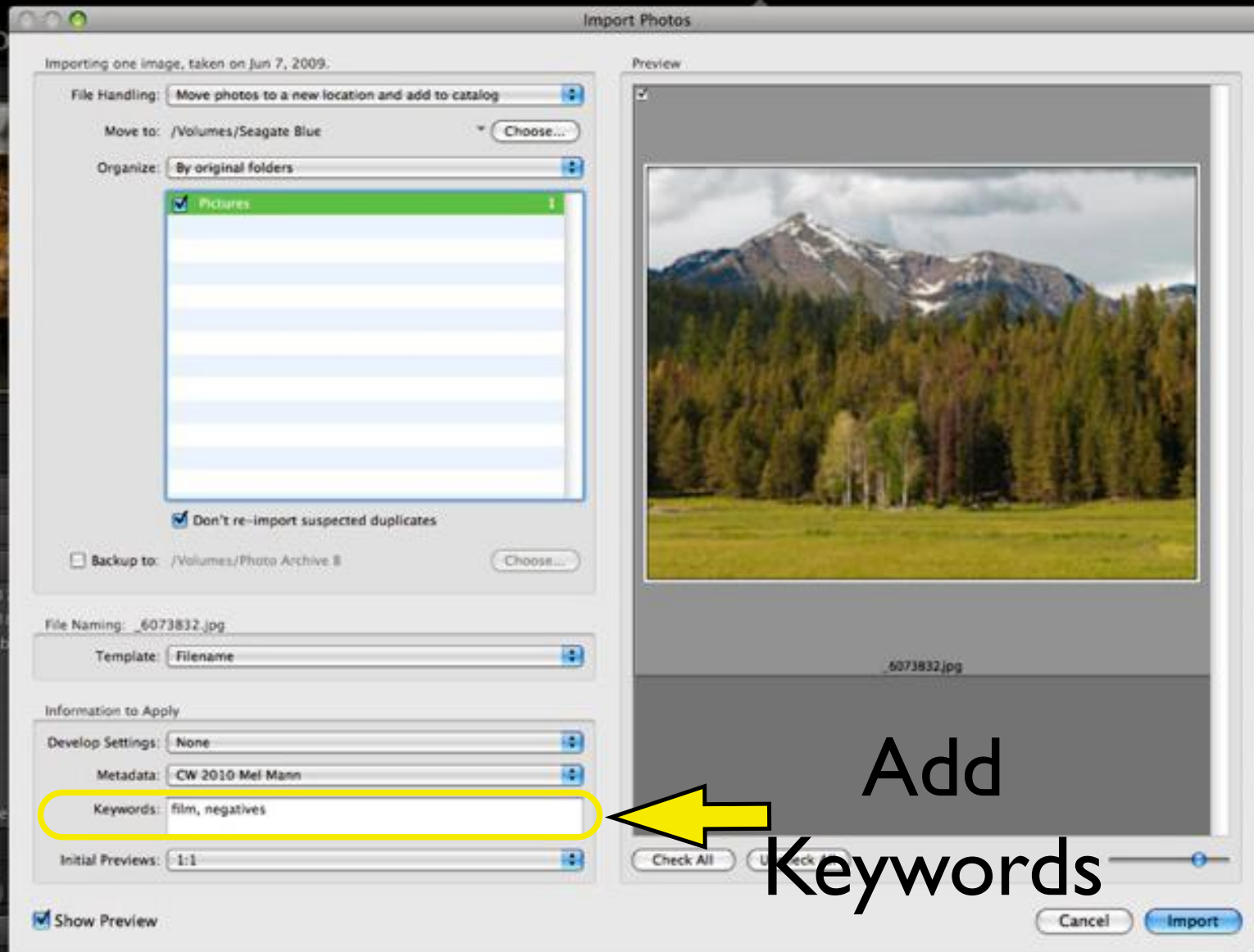
Getting images into Lightroom



Define
Metadata
Presets



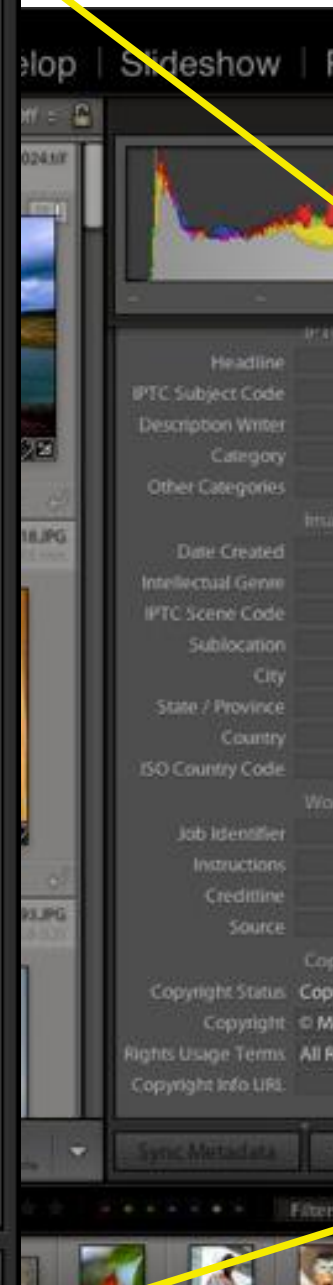
Getting images into Lightroom



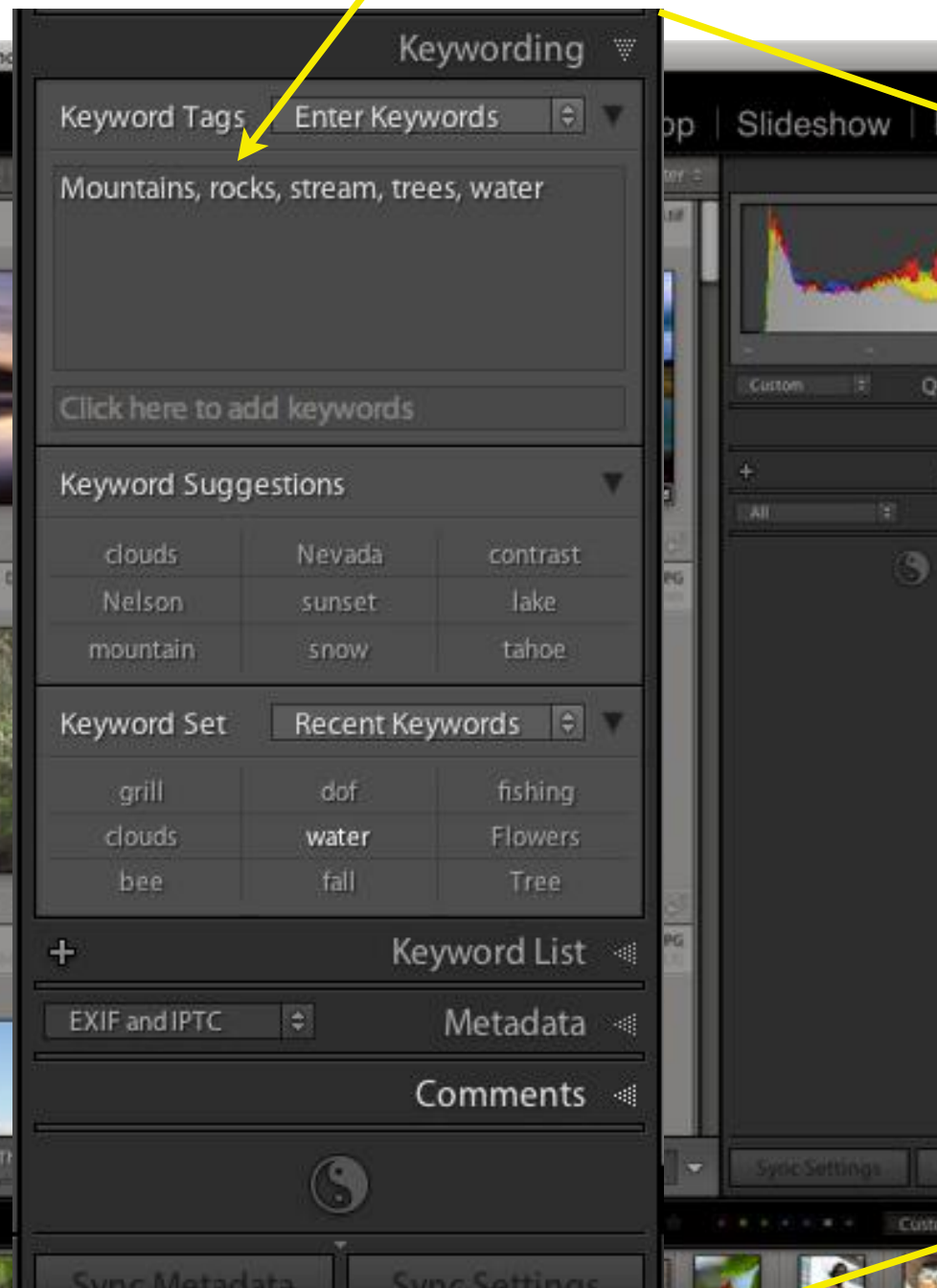
Add Image-specific Meta



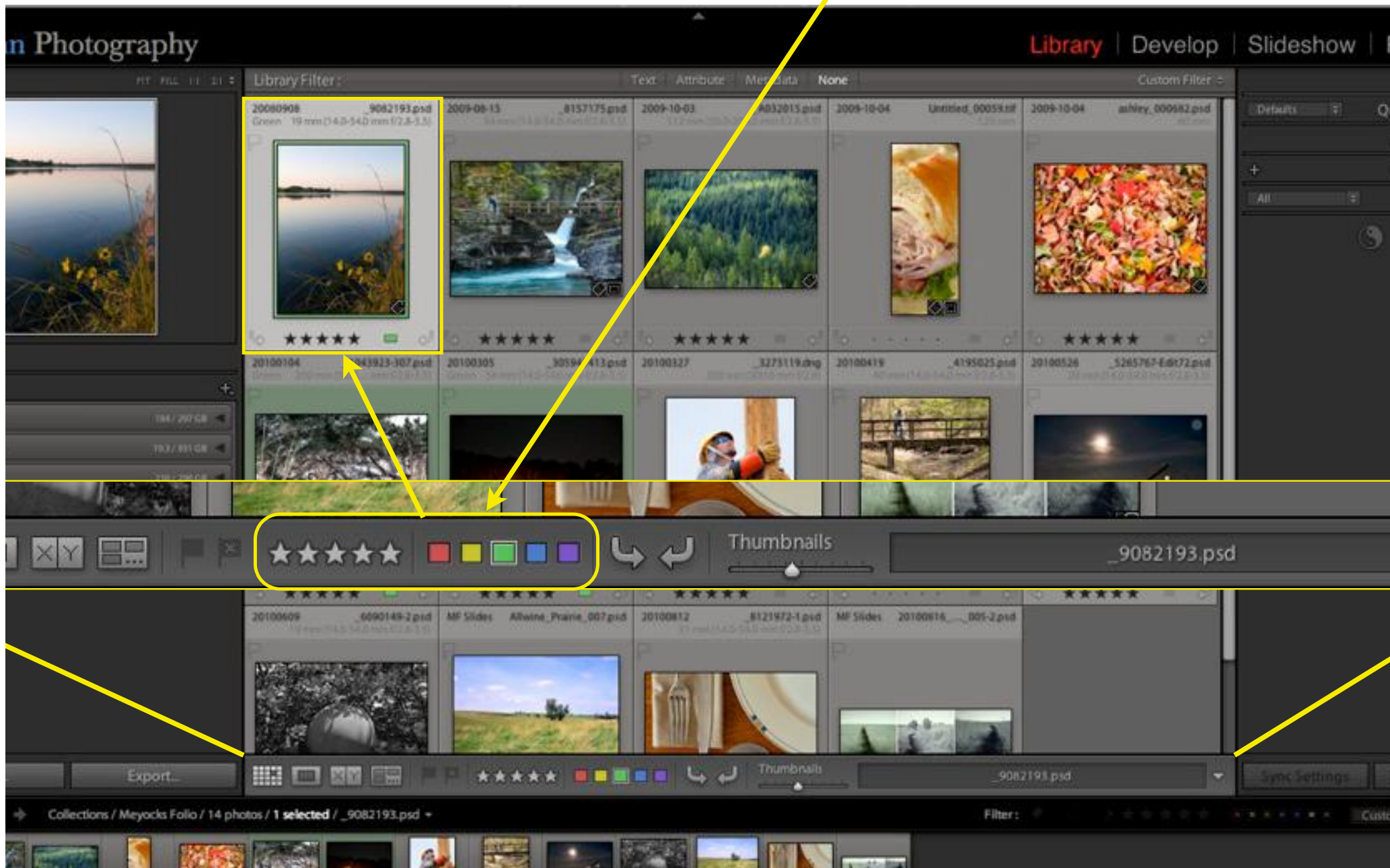
IPTC Subject Code	
Description Writer	
Category	
Other Categories	
Image	
Date Created	2009-10-17
Intellectual Genre	Landscape
IPTC Scene Code	
Sublocation	Yellowstone National Park
City	
State / Province	Wyoming
Country	United States
ISO Country Code	
Workflow	
Job Identifier	Velvia 50
Instructions	Mamiya 6MF
Creditline	Epson V700 Scan, 2400ppi
Source	Sheet 00023
Copyright	
Copyright Status	Copyrighted
Copyright	© 2010 Mel Mann Photography, LLC
Rights Usage Terms	All Rights Reserved
Copyright Info URL	



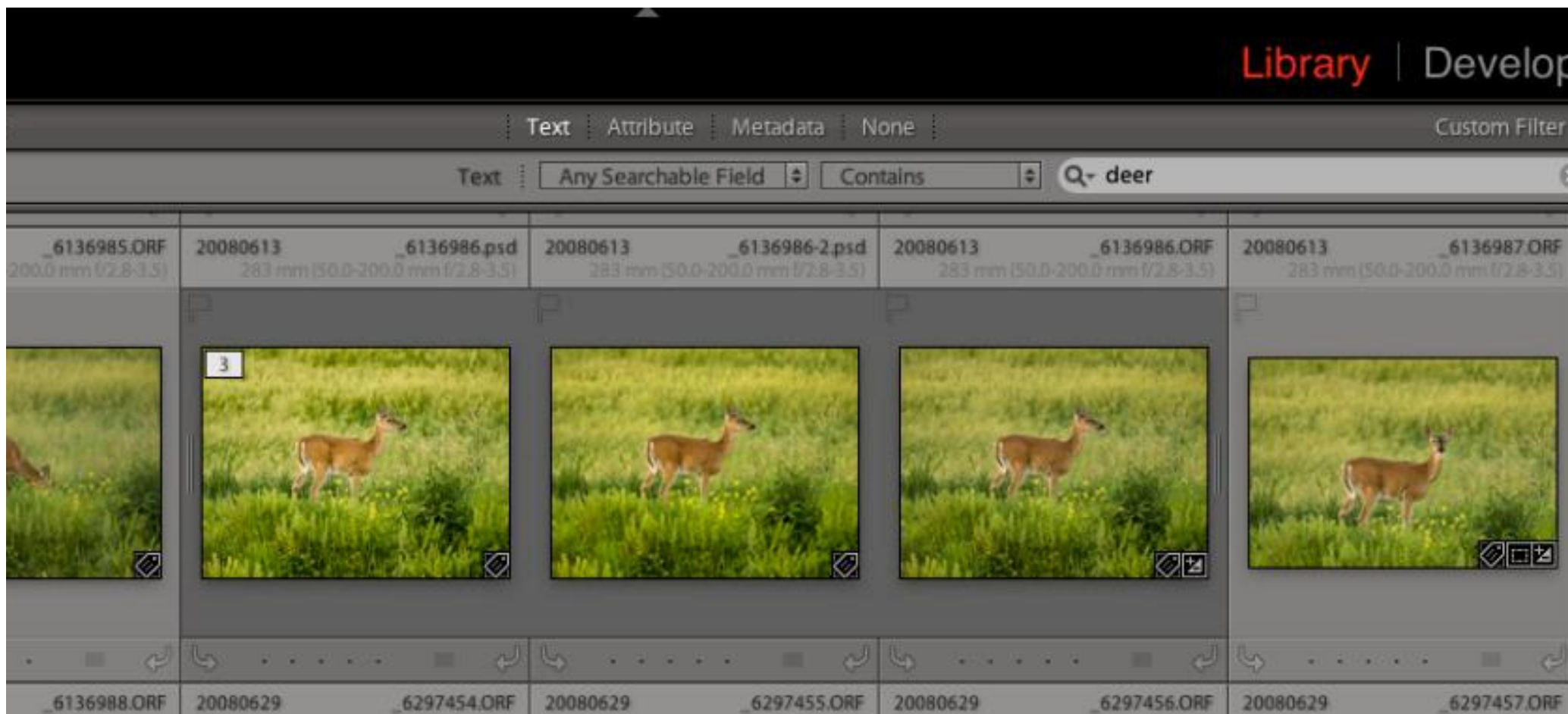
Add Image-specific Keywords



Assign ratings to images for later sorting



text se



attribute se

Library | De

er: Text Attribute Metadata None

Attribute Flag Rating ≥ ★★★★★ Color Copy S

_9082193.psd
(14.0-540 mm f/2.8-3.5)

20100104 _1043923-307.psd
Green 200 mm (50.0... mm f/2.8-3.5)

20100305 _305941413.psd
Green 54 mm (14.0-540 mm f/2.8-3.5)



★★★★★

★★★★★★★

★★★★★★★

metadata search

Library | De

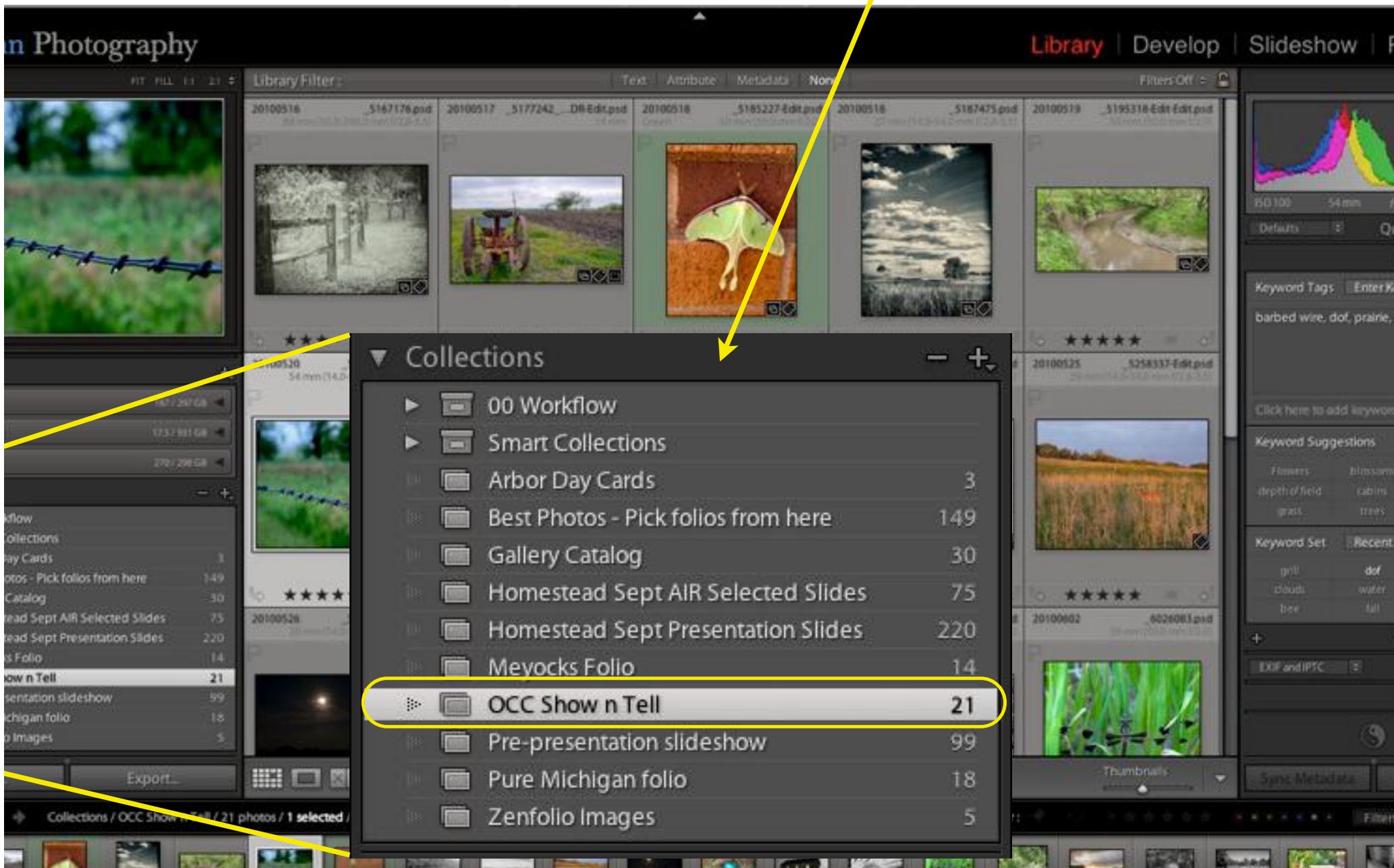
er : Text Attribute Metadata None Cu


	Camera	Lens	File Type
14	All (4 Cameras)	24.0-105.0 mm	All (3 File Types)
1	E-3	28-75mm	Digital Negative (DNG)
1	E-510	28.0-80.0 mm f/3.3-5.6	Photoshop Document (PSD)
4	Leaf Aptus-II 6(LF12306)/M...	50.0 mm	TIFF
9	Unknown Camera	50.0 mm f/2.0	
1		50.0-200.0 mm f/2.8-3.5	
2		300.0 mm f/2.8	



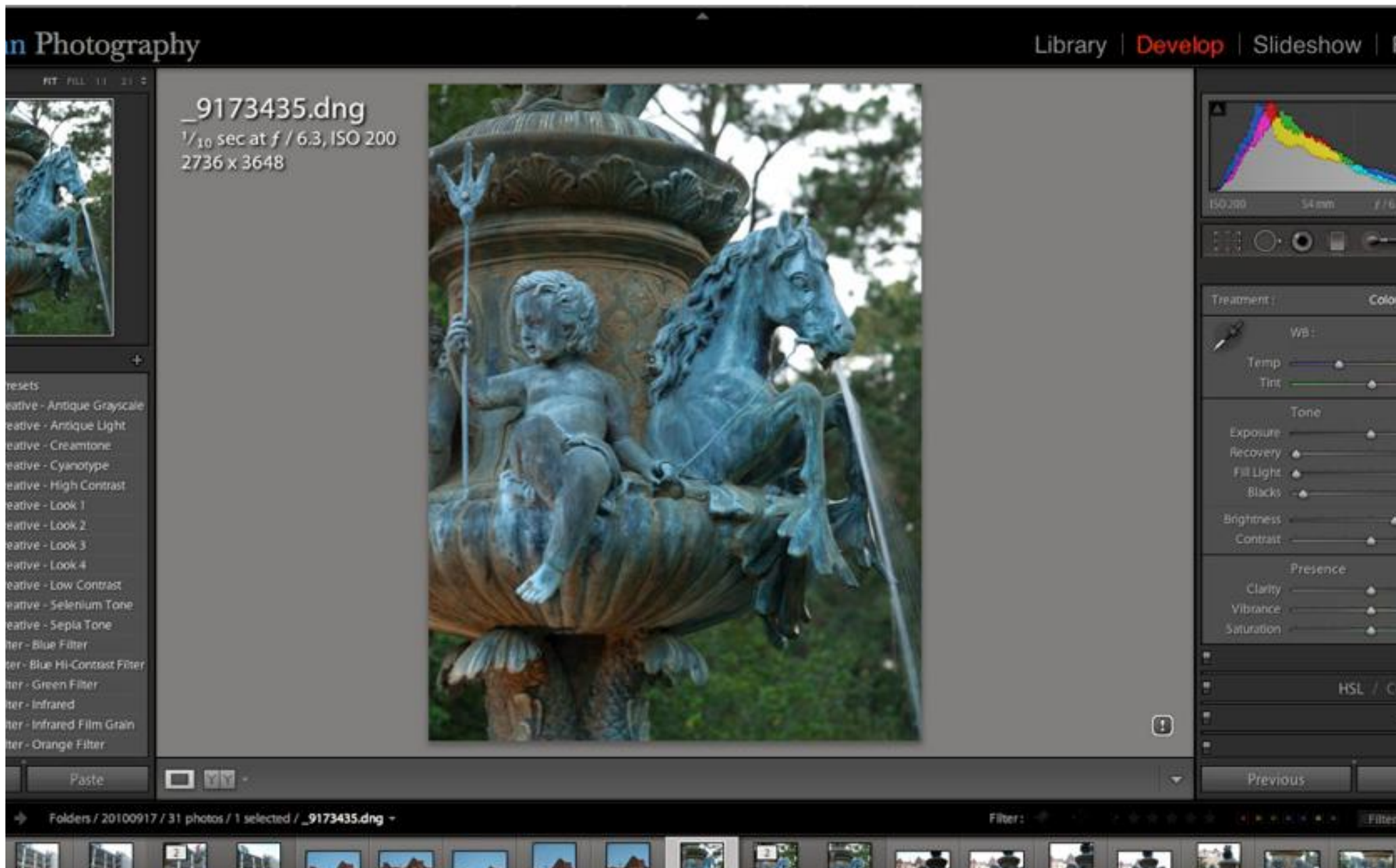
★★★ ★★★★★ ★★★★★ ★★★★★

Group selected images into Collect

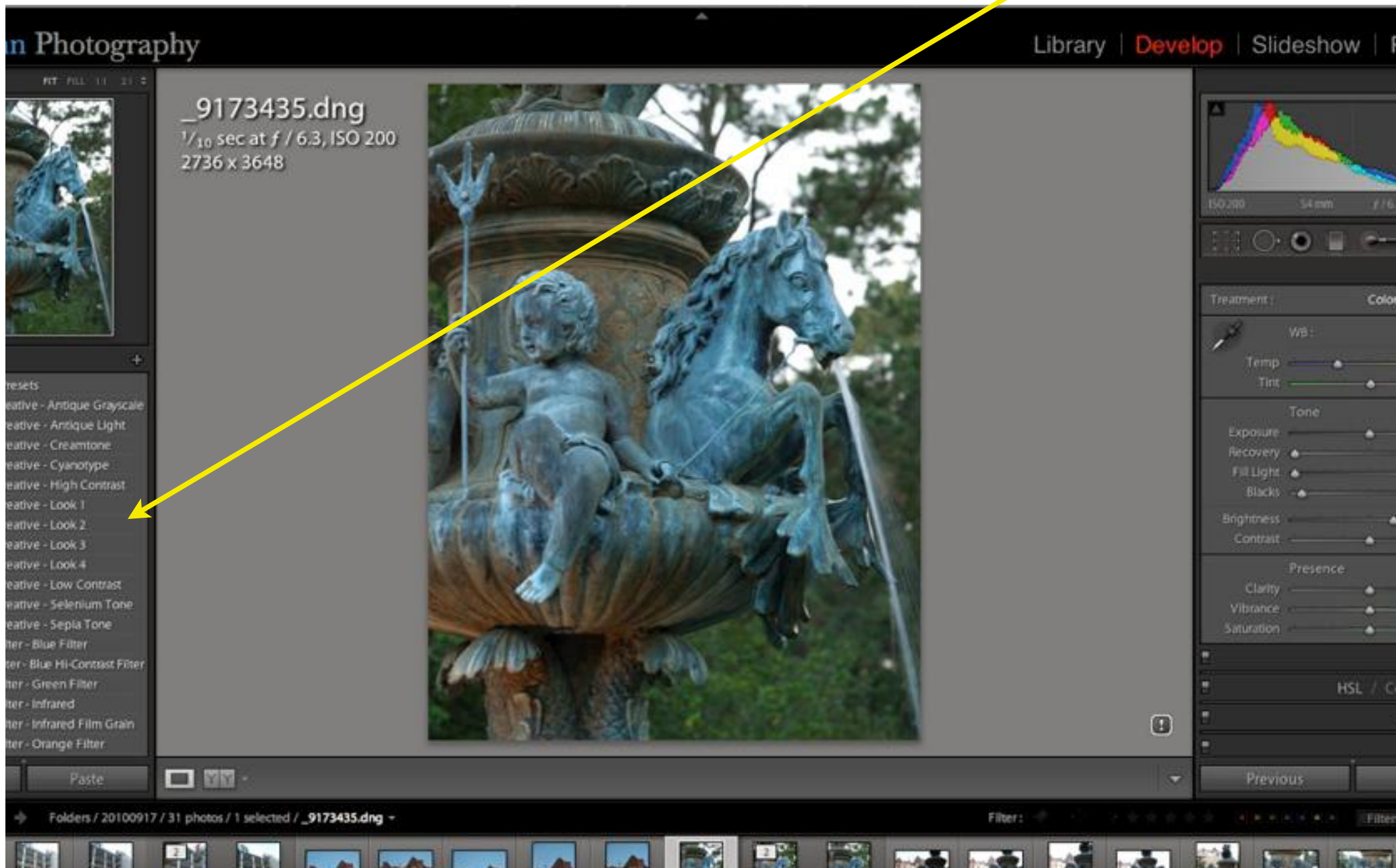


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Develop Mode



Develop Module - Effect Presets



Adjust White Balance, Tone and Saturation

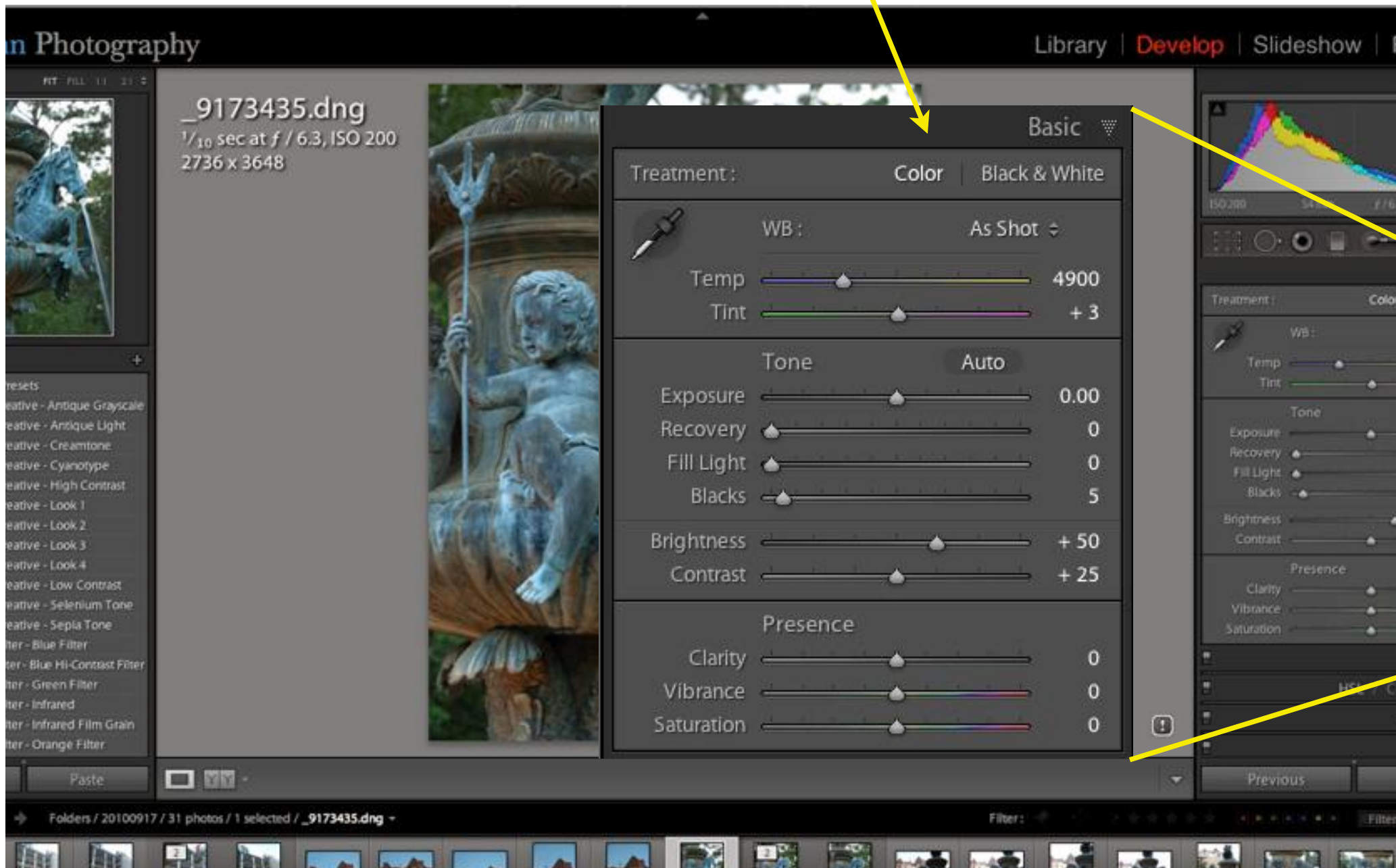
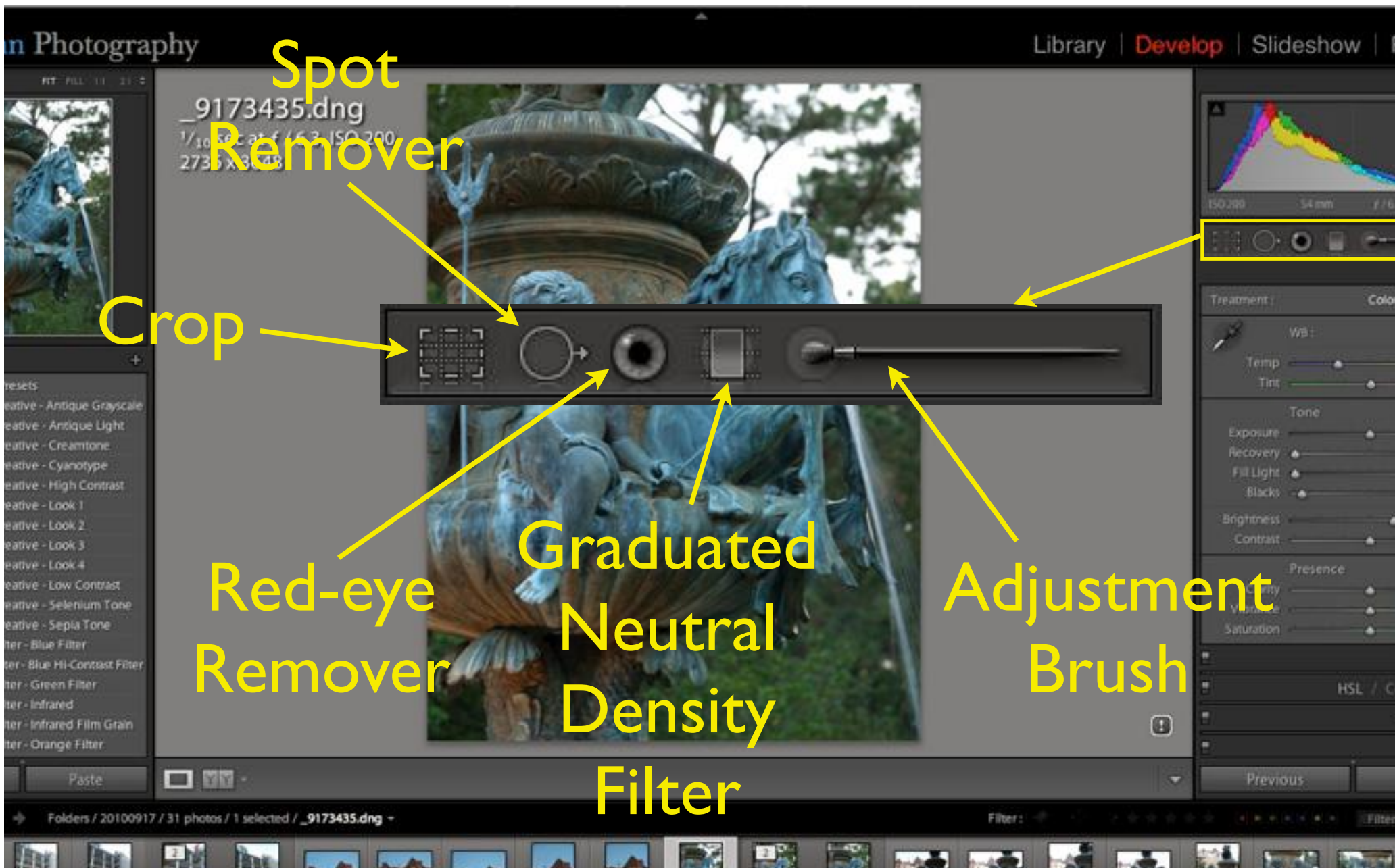


Image modification



Sharpen and Noise Reduct

The screenshot displays the Adobe Photoshop interface, specifically the Develop tab. The main window shows a photograph of a blue dragon statue. The top right corner of the Develop tab is labeled "Detail". Below this, a preview window shows a zoomed-in section of the dragon's eye. The "Sharpening" section contains four sliders: Amount (set to 25), Radius (set to 1.0), Detail (set to 25), and Masking (set to 0). The "Noise Reduction" section contains four sliders: Luminance (set to 0), Detail (set to 50), Contrast (set to 0), and Color (set to 25). A yellow arrow points from the "Sharpen and Noise Reduct" title to the Sharpening and Noise Reduction sliders. The bottom of the interface shows a filmstrip of the photo library.

Detail

Amount 25

Radius 1.0

Detail 25

Masking 0

Noise Reduction

Luminance 0

Detail 50


Contrast 0

Color 25

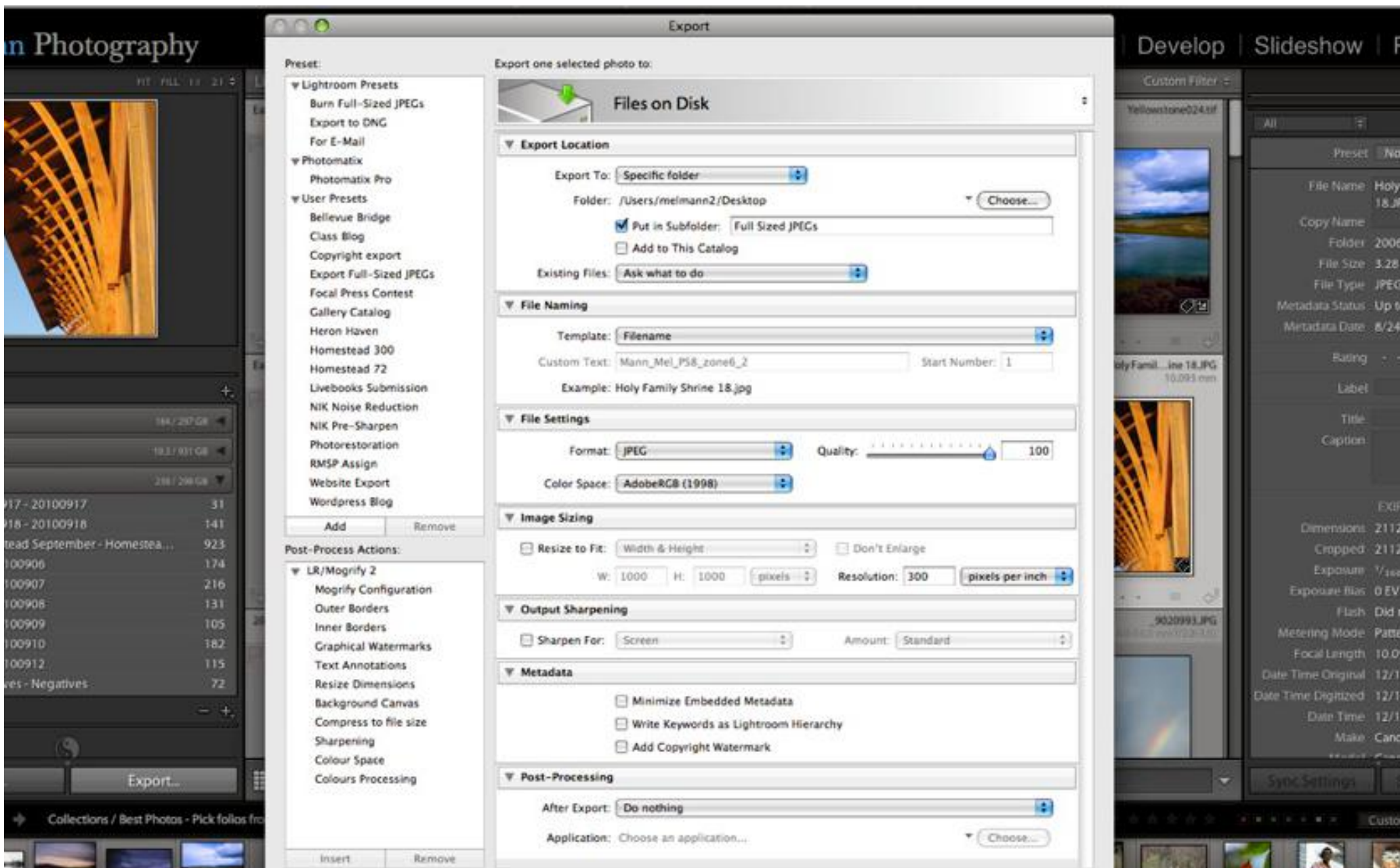
Detail 50

Convert to Black-and-white



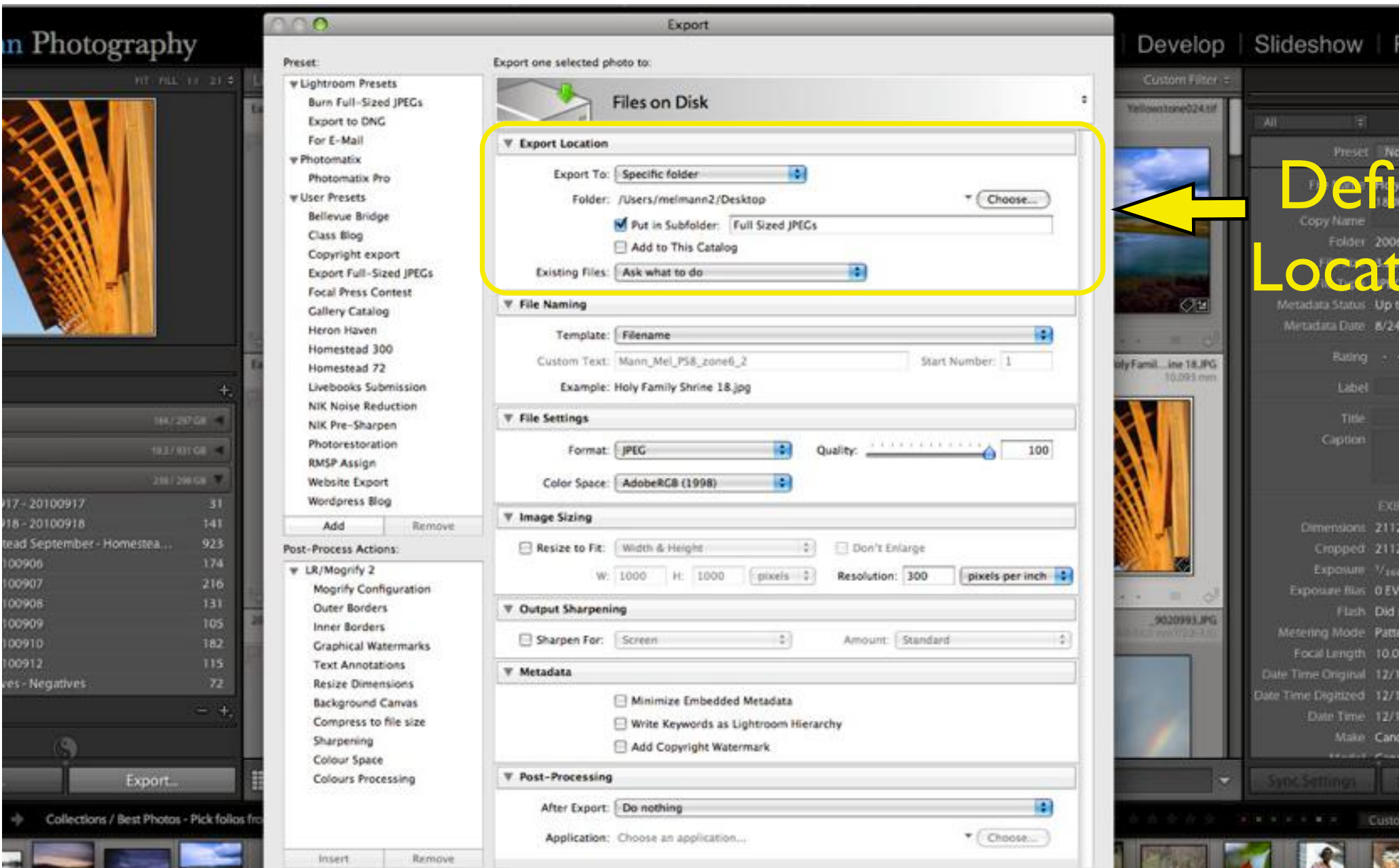
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Getting Images out of Lightroom

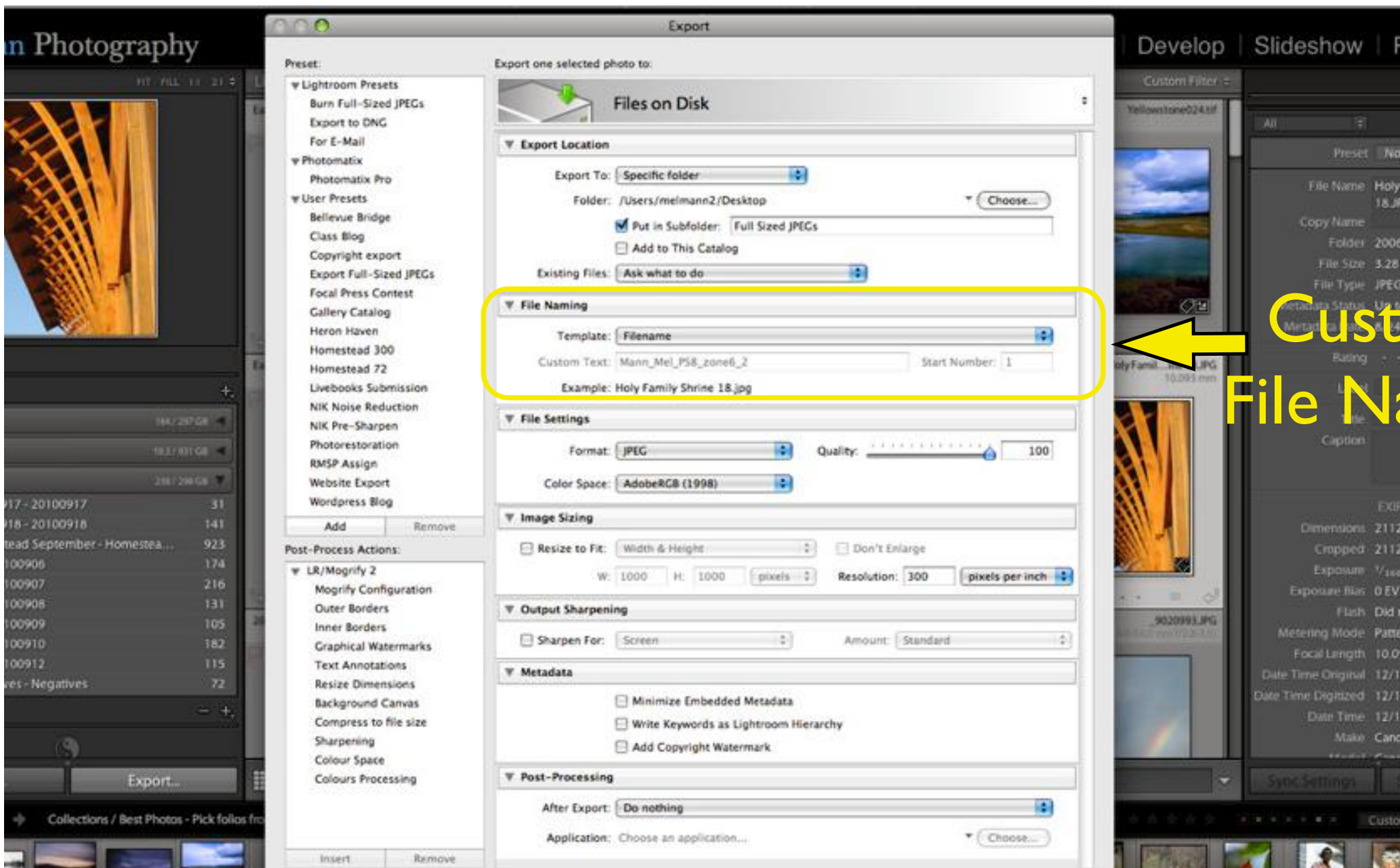


Getting images out of Lightroom

Defining
Location



Getting images out of Lightroom



Getting images out of Lightroom

The screenshot shows the Adobe Lightroom 'Export' dialog box. The 'Export one selected photo to:' section is set to 'Files on Disk'. The 'Export Location' section shows 'Export To: Specific folder' and 'Folder: /Users/melmann2/Desktop'. The 'File Naming' section shows 'Template: Filename' and 'Custom Text: Mann_Mel_P58_zone6_2'. The 'File Settings' section, highlighted with a yellow box, shows 'Format: JPEG' and 'Quality: 100'. The 'Image Sizing' section shows 'Resize to Fit: Width & Height' and 'Resolution: 300 pixels per inch'. The 'Output Sharpening' section shows 'Sharpen For: Screen' and 'Amount: Standard'. The 'Metadata' section shows 'Minimize Embedded Metadata', 'Write Keywords as Lightroom Hierarchy', and 'Add Copyright Watermark'. The 'Post-Processing' section shows 'After Export: Do nothing' and 'Application: Choose an application...'. The 'Presets' list on the left includes 'Lightroom Presets', 'Photomatrix', and 'User Presets'. The 'Post-Process Actions' list includes 'LR/Mogrify 2' and 'Mogrify Configuration'. The 'Export...' button is visible at the bottom left of the dialog box.

Export one selected photo to:

Files on Disk

Export Location

Export To: Specific folder

Folder: /Users/melmann2/Desktop

☒ Put in Subfolder: Full Sized JPEGs

☐ Add to This Catalog

Existing Files: Ask what to do

File Naming

Template: Filename

Custom Text: Mann_Mel_P58_zone6_2

Start Number: 1

Example: Holy Family Shrine 18.jpg

File Settings

Format: JPEG

Quality: 100

Color Space: AdobeRGB (1998)

Image Sizing

☐ Resize to Fit: Width & Height

☐ Don't Enlarge

W: 1000 H: 1000 pixels

Resolution: 300 pixels per inch

Output Sharpening

☐ Sharpen For: Screen

Amount: Standard

Metadata

☐ Minimize Embedded Metadata

☐ Write Keywords as Lightroom Hierarchy

☐ Add Copyright Watermark

Post-Processing

After Export: Do nothing

Application: Choose an application...

Presets:

- Lightroom Presets
 - Burn Full-Sized JPEGs
 - Export to DNG
 - For E-Mail
- Photomatrix
 - Photomatrix Pro
- User Presets
 - Bellevue Bridge
 - Class Blog
 - Copyright export
 - Export Full-Sized JPEGs
 - Focal Press Contest
 - Gallery Catalog
 - Heron Haven
 - Homestead 300
 - Homestead 72
 - Livebooks Submission
 - NIK Noise Reduction
 - NIK Pre-Sharpen
 - Photo restoration
 - RMSP Assign
 - Website Export
 - Wordpress Blog

Post-Process Actions:

- LR/Mogrify 2
 - Mogrify Configuration
 - Outer Borders
 - Inner Borders
 - Graphical Watermarks
 - Text Annotations
 - Resize Dimensions
 - Background Canvas
 - Compress to file size
 - Sharpening
 - Colour Space
 - Colours Processing

Export...

Develop | Slideshow | Print | Web

Custom Filter: +

Yellowstone024.tif

All

File Name: Holy Family Shrine 18.JPG

Copy Name: Holy Family Shrine 18.JPG

Folder: 2006

File Size: 3.28 MB

File Type: JPEG

Metadata Status: Up to date

Metadata Date: 8/24/2006

Label: Holy Family Shrine

Dimensions: 2112 x 1411

Exposure Bias: 0 EV

Flash: Did not fire

Metering Mode: Pattern

Focal Length: 10.0 mm

Date Time Original: 12/1/2005 12:00:00

Date Time Digitized: 12/1/2005 12:00:00

Date Time: 12/1/2005 12:00:00

Make: Canon

Model: EOS 40D

Sync Settings

Collections / Best Photos - Pick folios from

Getting Images out of Lightroom

The screenshot shows the Adobe Lightroom 'Export' dialog box. The 'Image Sizing' section is highlighted with a yellow box. The 'Resize to Fit' checkbox is checked, and the dimensions are set to 1000 x 1000 pixels. The resolution is set to 300 pixels per inch. The 'Format' is set to JPEG, and the 'Quality' is set to 100. The 'Color Space' is set to AdobeRGB (1998). The 'Export Location' is set to 'Files on Disk' with the folder path '/Users/melmann2/Desktop'. The 'File Naming' section shows a template of 'Filename' and a custom text of 'Mann_Mel_PS8_zone6_2'. The 'Post-Process Actions' section shows 'LR/Mogrify 2' selected. The 'After Export' action is set to 'Do nothing'.

Export one selected photo to:

Files on Disk

Export Location

Export To: Specific folder
Folder: /Users/melmann2/Desktop
☒ Put in Subfolder: Full Sized JPEGs
☐ Add to This Catalog
Existing Files: Ask what to do

File Naming

Template: Filename
Custom Text: Mann_Mel_PS8_zone6_2
Start Number: 1
Example: Holy Family Shrine 18.jpg

File Settings

Format: JPEG
Quality: 100
Color Space: AdobeRGB (1998)

Image Sizing

☒ Resize to Fit: Width & Height
☐ Don't Enlarge
W: 1000 H: 1000 pixels Resolution: 300 pixels per inch

Output Sharpening

☐ Sharpen For: Screen
Amount: Standard

Metadata

☐ Minimize Embedded Metadata
☐ Write Keywords as Lightroom Hierarchy
☐ Add Copyright Watermark

Post-Processing

After Export: Do nothing
Application: Choose an application...

Post-Process Actions:

LR/Mogrify 2
Mogrify Configuration
Outer Borders
Inner Borders
Graphical Watermarks
Text Annotations
Resize Dimensions
Background Canvas
Compress to file size
Sharpening
Colour Space
Colours Processing

Export...

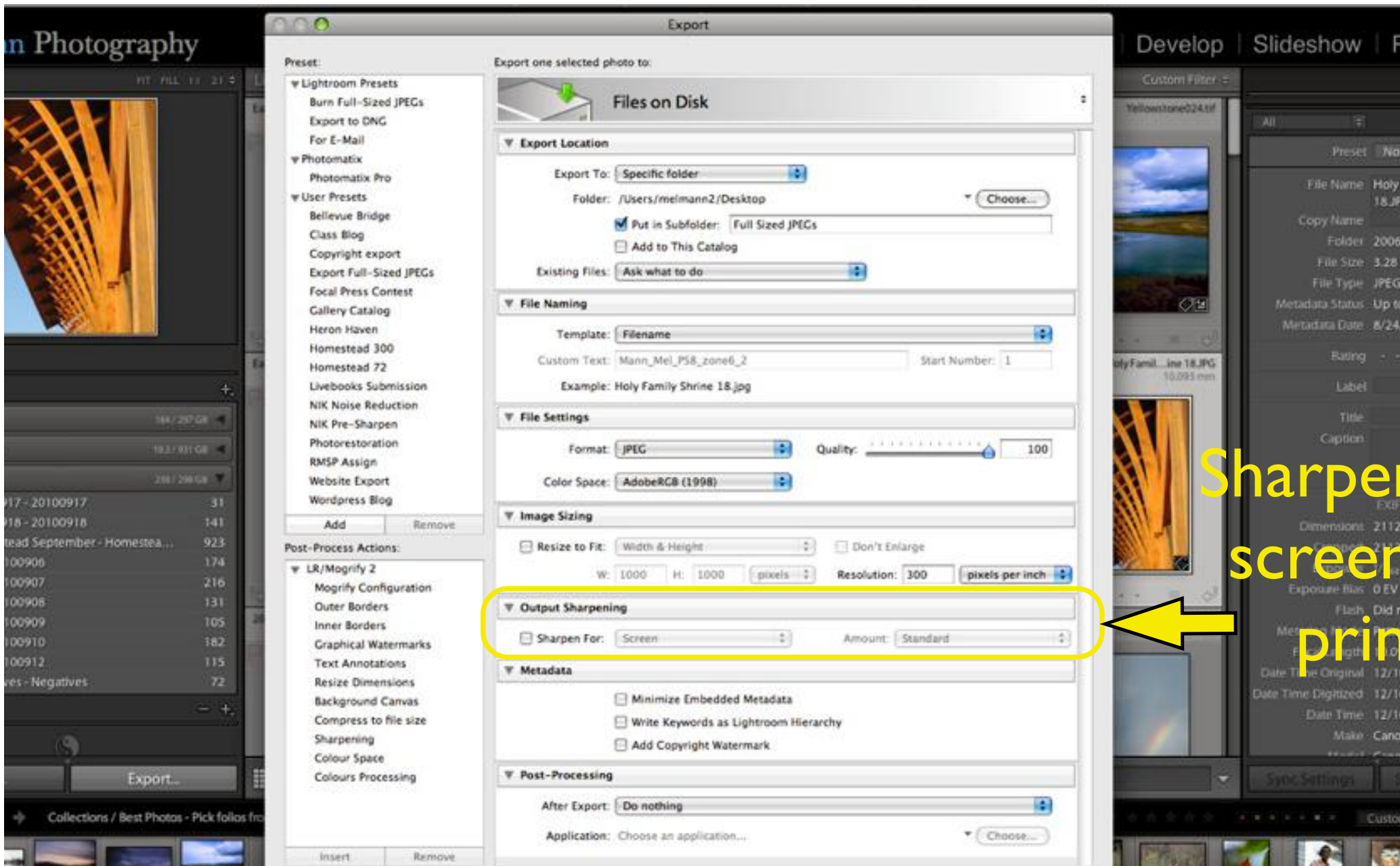
Collections / Best Photos - Pick folios from

Develop | Slideshow | Print | Web

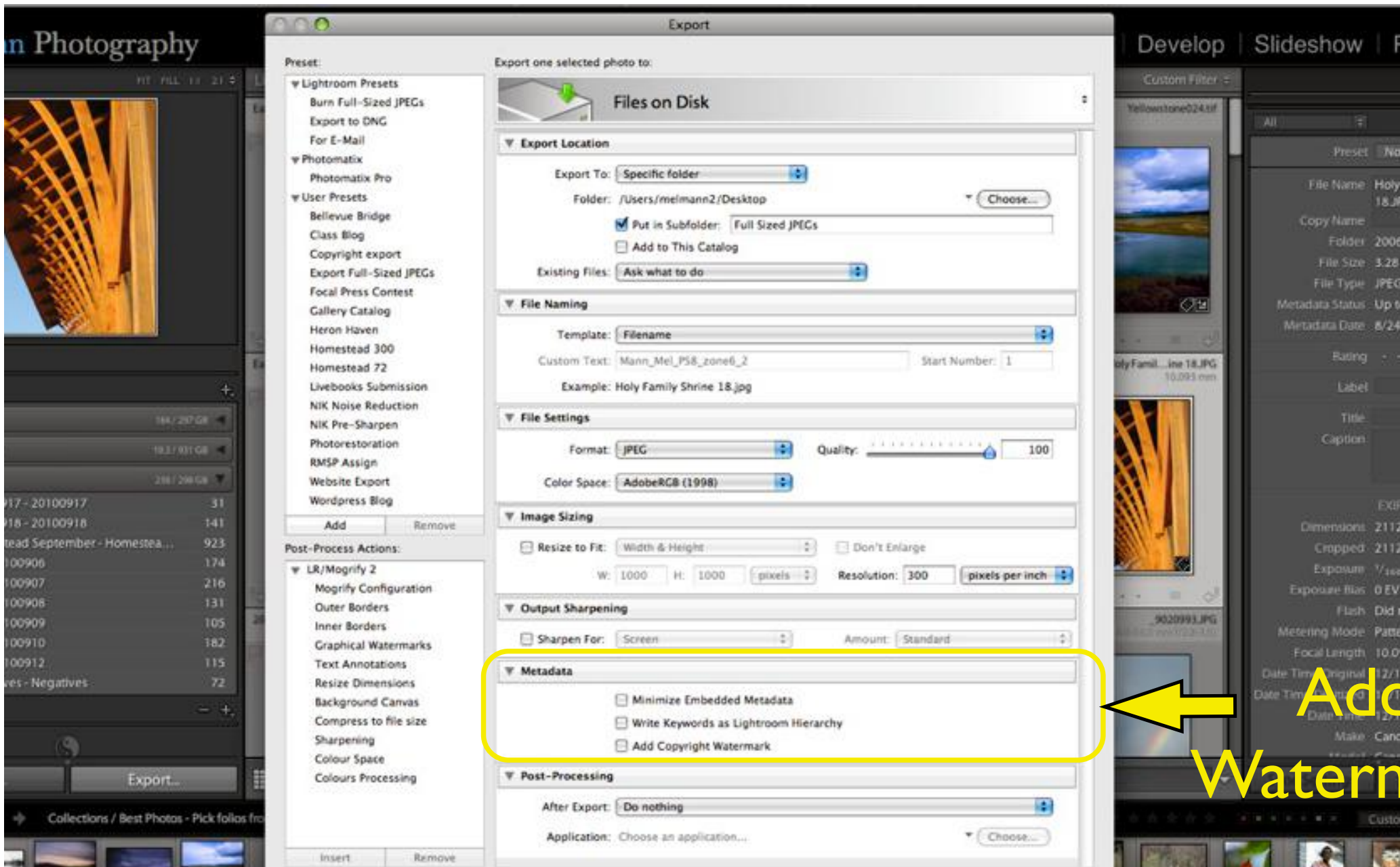
Custom Filter: +
Yellowstone024.tif
All
Preset: No
File Name: Holy
Copy Name: 18.JPG
Folder: 2006
File Size: 3.28
File Type: JPEG
Metadata Status: Up to
Metadata Date: 8/24
Rating: -
Label: -
Cropped: 2112
Exposure: 1/100
Exposure: 1/100
Metering Mode: Pattern
Focal Length: 10.0
Date Time: 12/1
Make: Canon
Model: EOS 40D
Sync Settings

**Resize
Pixel
or
Inche**

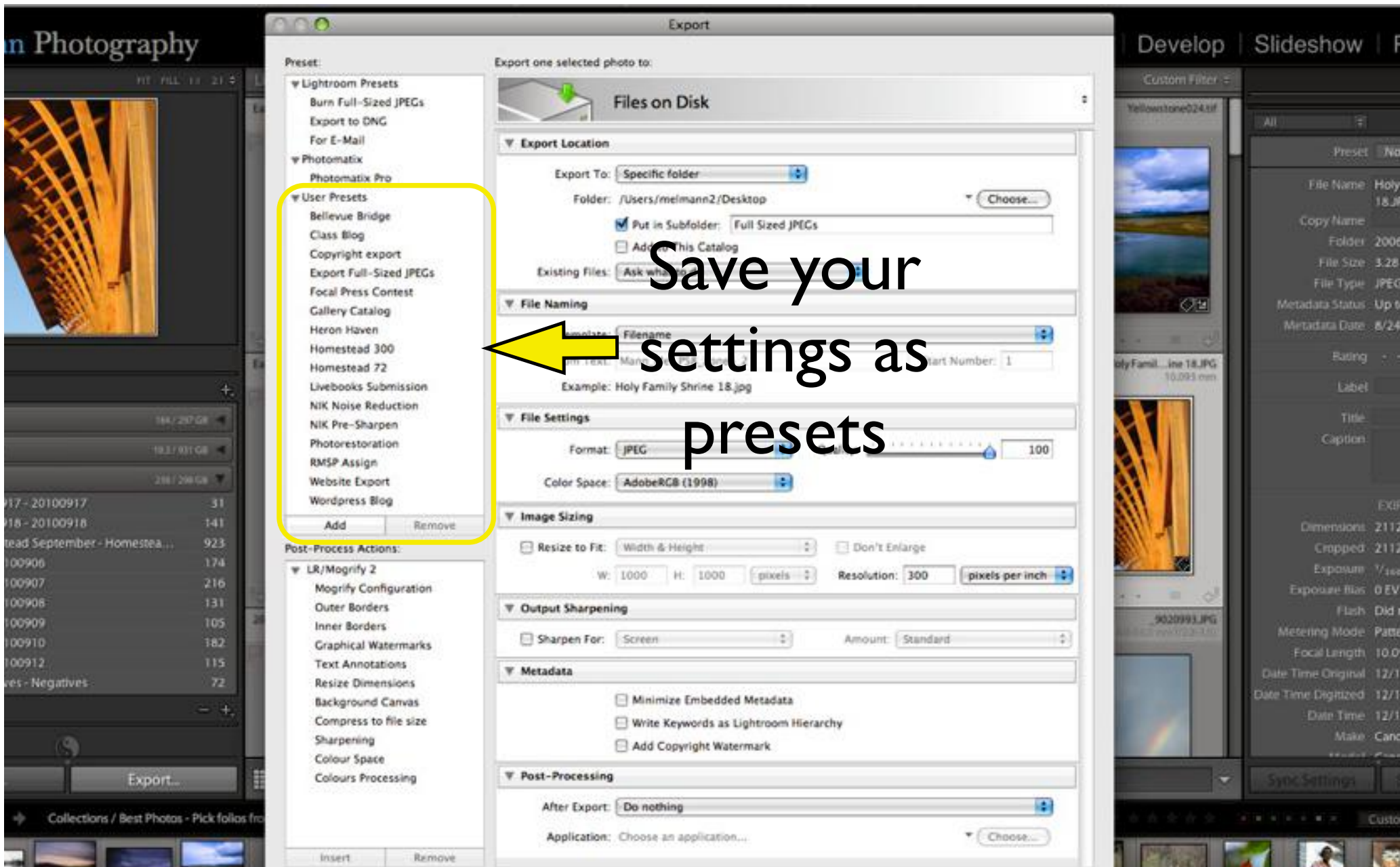
Getting images out of Lightroom



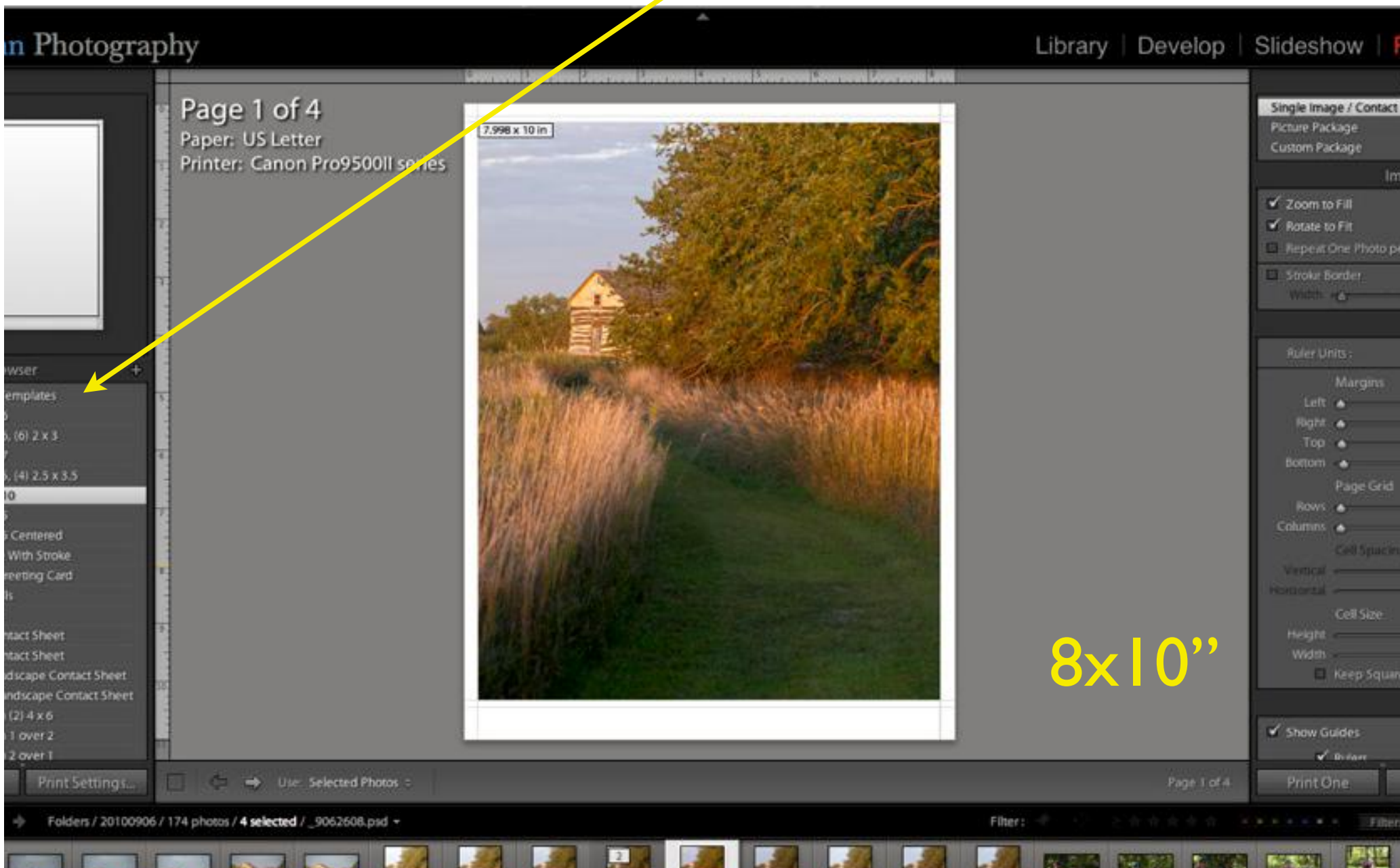
Getting images out of Lightroom



Getting images out of Lightroom



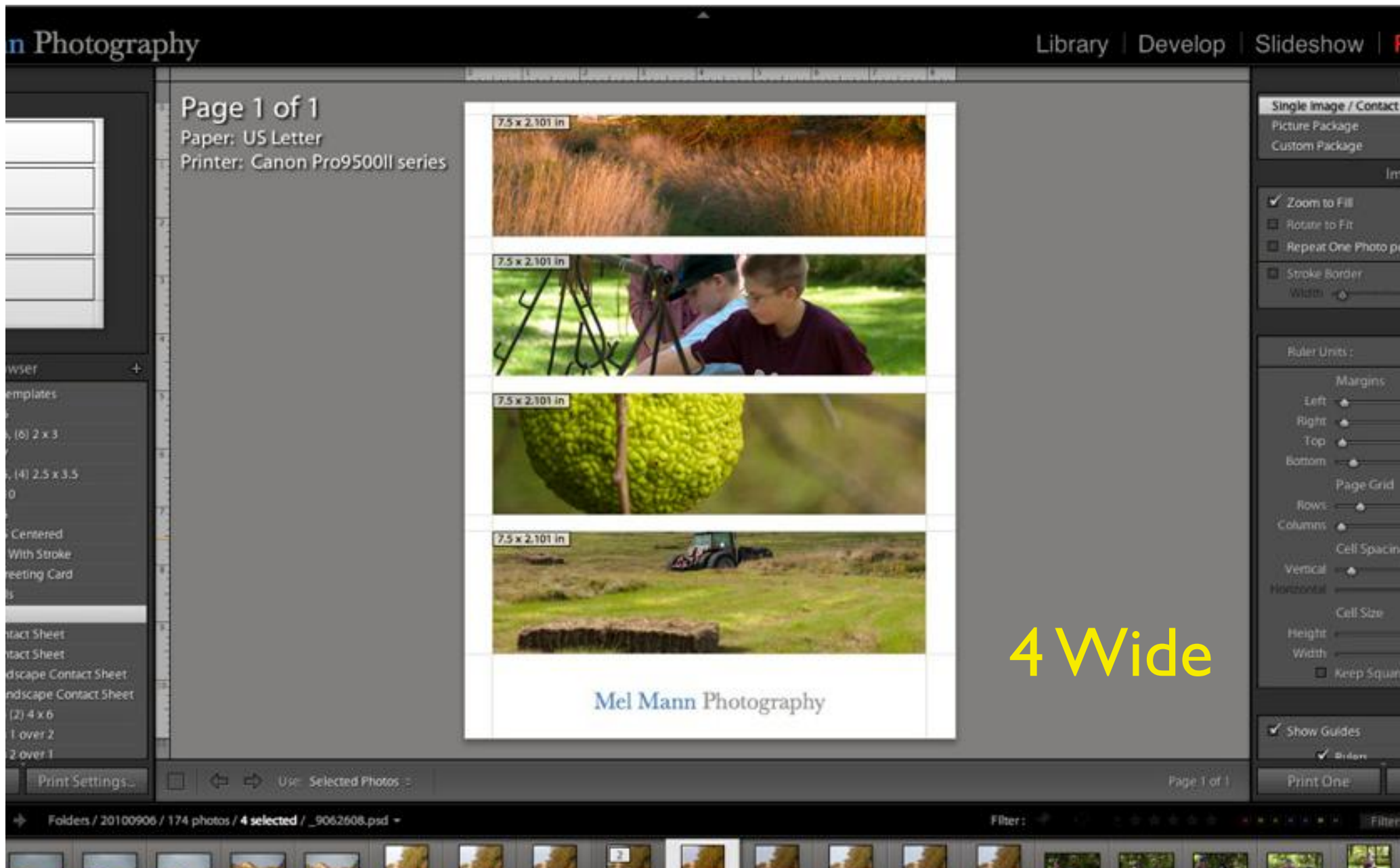
Print Module - Template



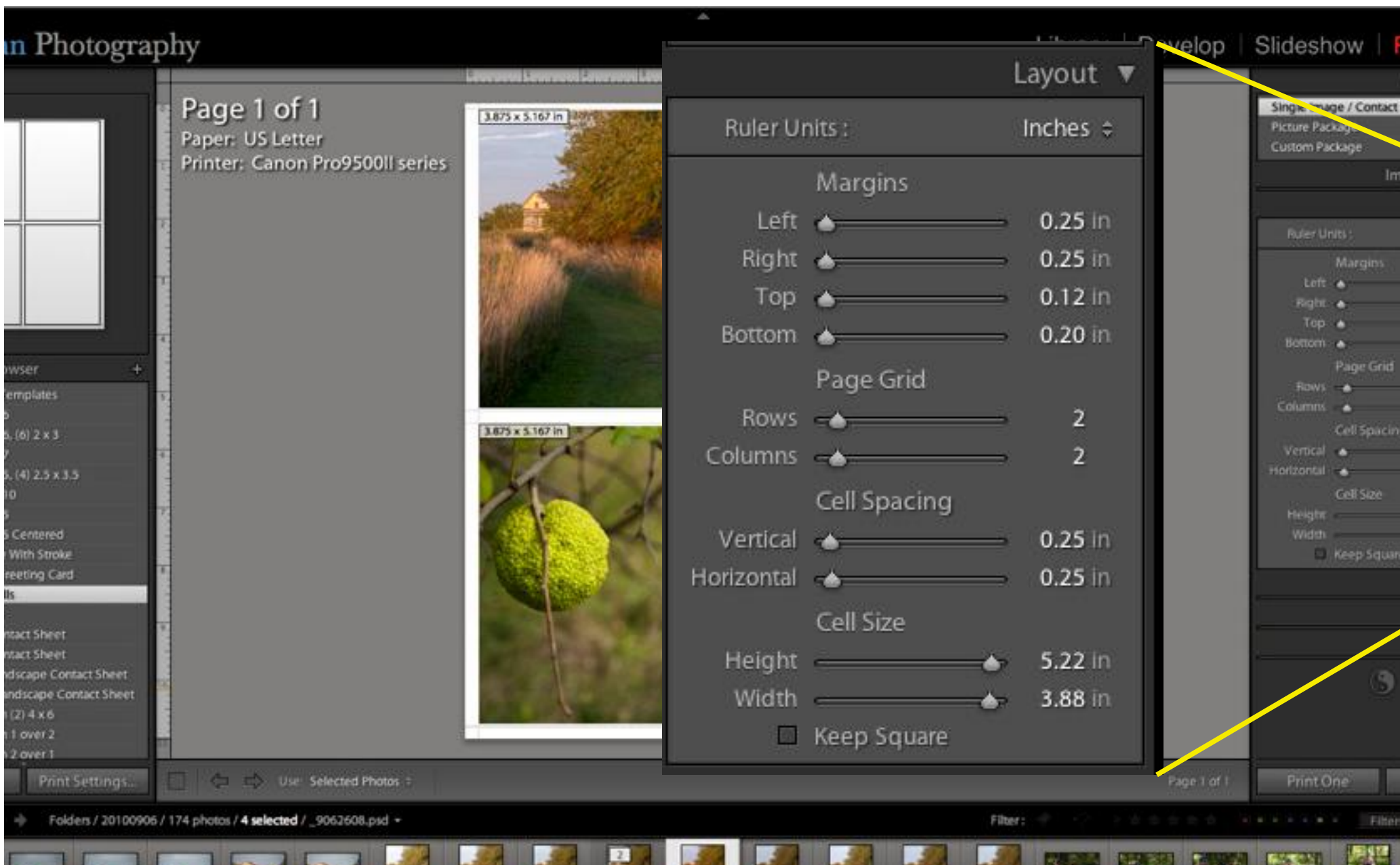
Print Module - Template



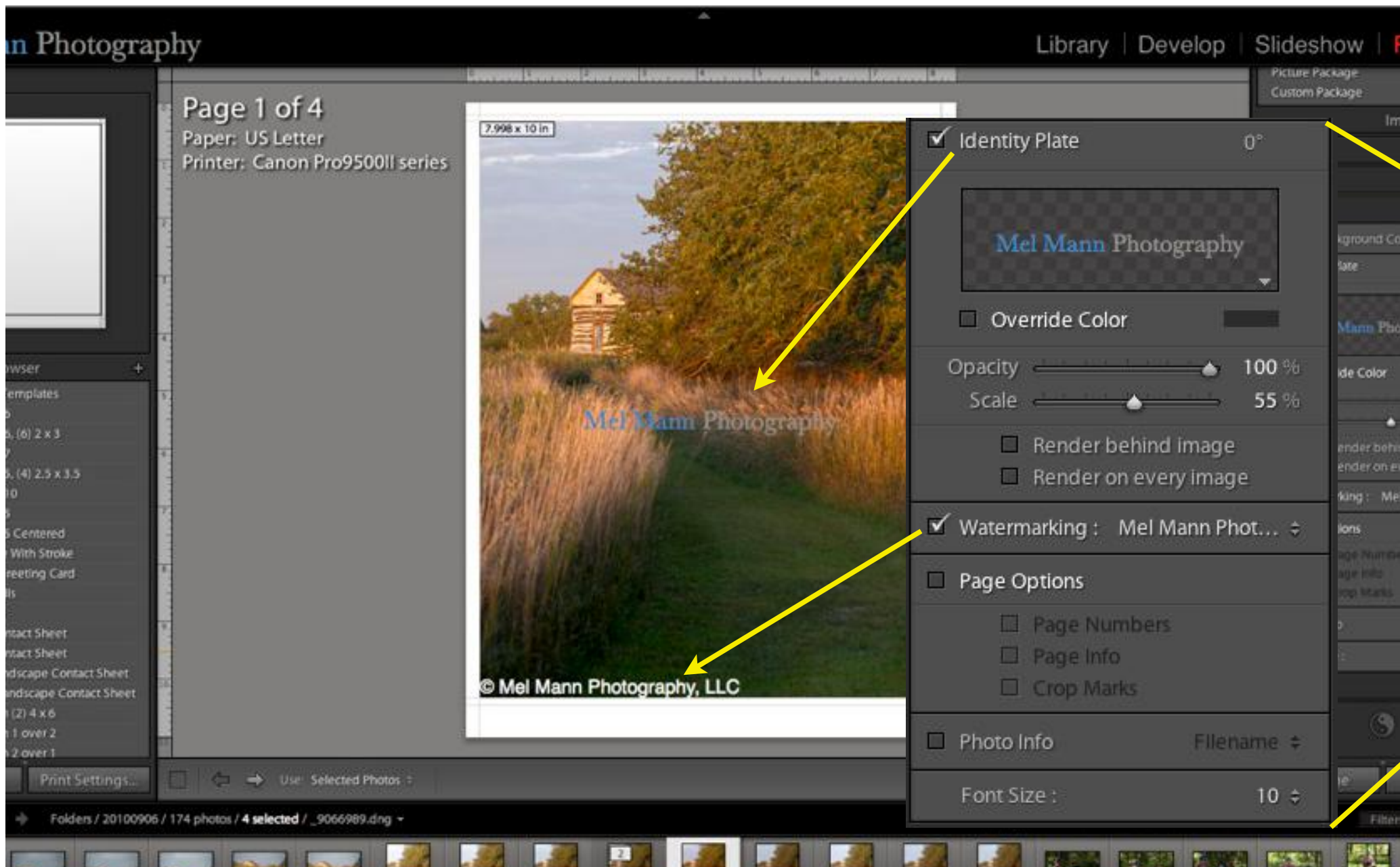
Print Module - Template



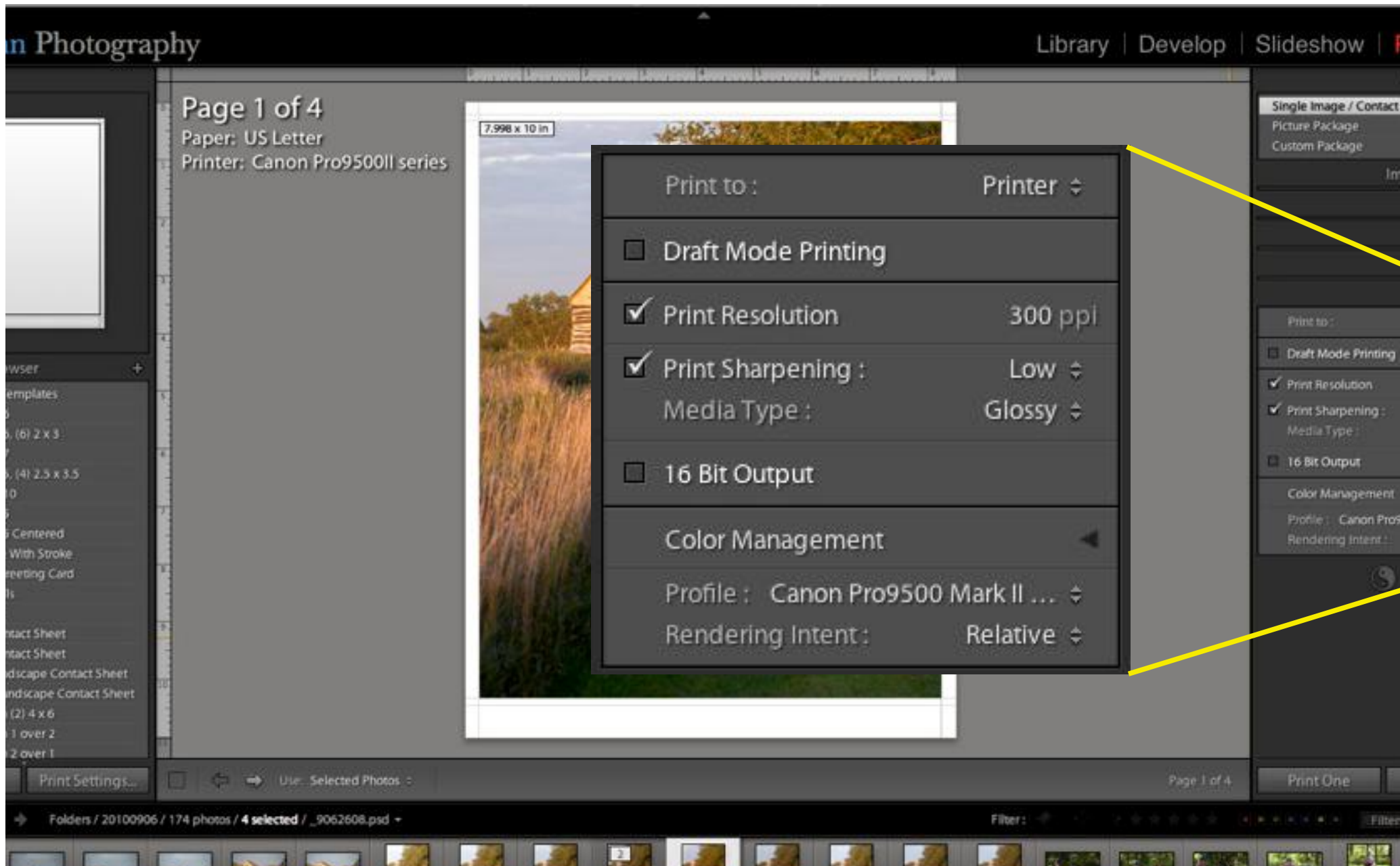
Layout Adjustm




Add Identity Plate or watermark



Print & Color Management Cor



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Uses?

- Put all those images you've got stored in different locations into one place
- Use metadata and keywording to identify the images so you can find them later
- Adjust exposure, contrast, white balance, etc. to bring out the look you want in your image
- Quickly print your favorite images or create a slide show to share
- Easily resize your images for printing, email, web



Resources

- <http://thelightroomlab.com>
- <http://jkost.com/lightroom.html>
- <http://digitaldailydose.wordpress.com>
- <http://lightroomkillertips.com>
- http://www.adobe.com/designcenter/lightroom/articles/lr2am_videotutorials.html



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