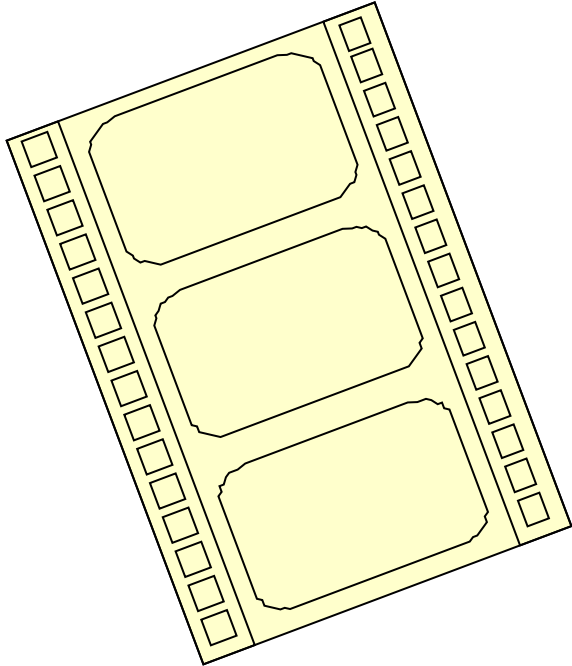


# Post Processing

Sue Fifer & Molly Warrington

# What is post-processing?



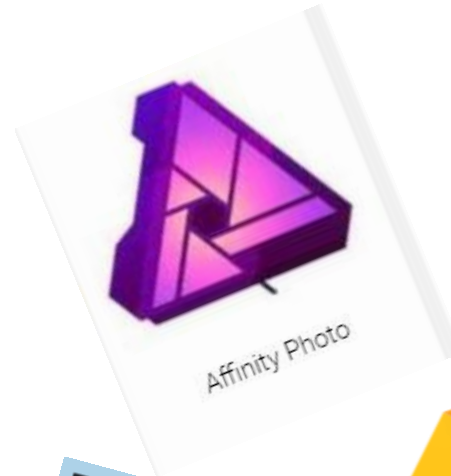
In the old days of film, there were several stages after the taking of a picture:

- 1 Developing the film
- 2 Making prints/slides from the negatives
- 3 Using the image in various ways: books, illustrations, card, prints in different sizes.

Some people did one or more of these processes themselves (in a dark room) or had professional companies perform these services. This could be time-consuming and/or expensive.

# Digital post-processing

Digital post-processing uses software such as Lightroom, Photoshop, Affinity and other programs to give control of these processes to the photographer.



# Benefits of DIY approach

- 1 Much cheaper
- 2 Quicker
- 3 You're in control
- 4 Mistakes can be corrected
- 5 Huge variety of effects can be achieved

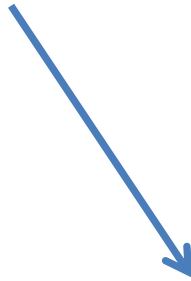
Downside is that there is often a steep learning curve if you want to cover everything.

Best thing is to decide what you want to do and then focus on the tools that help you achieve this.

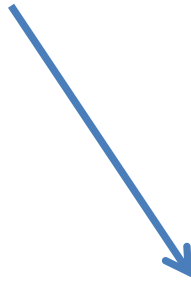
# What might you want to do?

- Straighten a picture
- Crop a picture
- Add something – an object or text
- Lighten or darken part of the picture
- Change the colour, contrast or make a monochrome picture
- Apply changes to selected parts of image
- Save for different purposes: printing, web

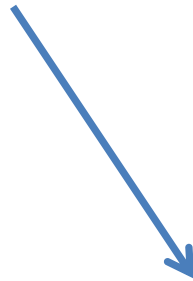
Correct red eye problems



Bring out the highlights where a picture is underexposed



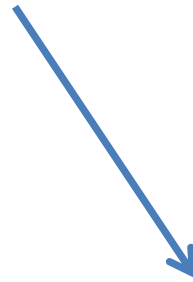
Straighten the horizon







Combine various tools to undertake projects such as photo restoration – great for family historians.



# Photo editing packages

- Basic photo editors such as **Windows Photos** – collects photos and allows basic edits such as cropping, changing light and colour, adding filters
- Free downloadable software such as Paint and Gimp (described by [whatdigitalcamera.com](http://whatdigitalcamera.com) as ‘a free version of Photoshop’)
- Purchased software such as **Photoshop Elements**, **Lightroom**, Photoshop, Aperture (Apple) –more sophisticated image processing
- Plug-ins for Adobe products and Aperture, eg **Google Nik** collection



Crop and rotate

Enhance Adjust

> Light

> Colour

Clarity

Vignette

Red eye Spot fix

Undo all Save

Save a copy



Crop and rotate

Enhance

Adjust

Enhance your photo



Select a filter



Original

Sauna

Neo



Slate

Rouge

Sunscreen



Icarus

Sahara

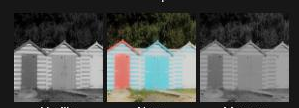
Zeke



Arctic

Burlesque

Denim



Vanilla

Napa

Mercury

Undo all

Save

Save a copy





# Shooting in RAW

- A RAW file is a digital negative, capturing all image data recorded by sensor
- Non-destructive editing - can adjust and process as many times as you want
- Easier to correct problems (eg WB, under/over exposure)
- Better quality images because more levels of brightness recorded
- But do need to process files – are also LARGE files
- Processed files exported as JPEG or TIFF format

# How I use Lightroom

- Import RAW files straight into LR; convert to DNG as second step in import process
- Download as temporary files in date order
- Compare and delete duplicates or non-starters, then work down processing menu in systematic way
- Batch processing
- Keywords, rating
- Move from temporary to permanent date ordered files (which mirror hard disc)
- Back up (several times!)
- [Export into Google Nik or Photoshop]

Adobe Lightroom CC 2015  
Molly Warrington

**Navigator** FIT FILL 1:1 3:1

- 2017-09-16 0
- 2017-09-23 7
- 2017-09-24 4
- 2017-09-30 0
- 2017-10 20
  - 2017-10-01 1
  - 2017-10-04 0
  - 2017-10-07 0
  - 2017-10-08 19
- OTHER 26
  - Pre-2000 266
- TEMPORARY 581
  - 2017-08-29 23
  - 2017-09-16 9
  - 2017-09-23 6
  - 2017-09-24 3
  - 2017-09-30 61
  - 2017-10-04 27
  - 2017-10-05 59
  - 2017-10-13 34
  - 2017-10-18 33
  - 2017-10-19 40
  - 2017-10-25 36
  - 2017-10-27 35
  - 2017-10-31 215
- Videos 565
  - SAMSUNG (F:) 01/1.8TB
  - My Passport (G:) 22/27TB
- Collections
  - Filter Collections
    - Best photos
      - 1\* 90
      - 2\* 735
      - 3\* 223
      - 4+ 62
      - Monochrome 61
    - Smart Collections
      - Travel
        - Norway 2017 110
        - Sweden 2017 68

Library Filter: Text Attribute Metadata None Filters Off

56 57 58 59 60

61 62 63 64 65

66 67 68 69 70

Rotate Photo Clockwise

Histogram

ISO 200 52 mm f/14 1/200 sec

Original Photo

Keyword Tags Enter Keywords

Click here to add keywords

Keyword Suggestions

sculpture	Bures	bridge
fence	information	view

Keyword Set Custom

Lake Champlain	tree	autumn
Burlington	cathedral	church
house	footpath	university

Keyword List

Filter Keywords

- 365 868
- ACTIVITY
- HOW (TECHNIQUES)
- MISCELLANEOUS 3
- WHAT (KEY SUBJECT)
  - Architecture 212
  - Art and Craft 123
  - Fauna
  - Flora
  - Food and Drink 224
  - Historic sites 188
  - Landscape rural 38
  - Landscape urban 6
  - Natural phenomena

Sync Metadata Sync Settings

Folder: 2017-10-31 215 photos / 1 selected / 20171031-DSC\_1999.dng

Filter: Filters Off



▼ Navigator FIT FILL 1:1 3:1 ▾



20171018-PA180427.dng  
18/10/2017 14:48:20  
4608 x 3456



- B&W Look 4
- B&W Look 5
- Lightroom B&W Toned Presets
- Lightroom Color Presets
- Lightroom Effect Presets
- Lightroom General Presets
- Lightroom Video Presets
- User Presets

▼ Snapshots +

▼ History ×

- Luminance Smoothing +14 14
- Sharpening +39 64
- Dark Tones +1 1
- Light Tones +10 10
- Temperature -484 5.5K
- White Balance: As Shot
- White Balance: Auto
- Black Clipping -6 0
- White Clipping -6 16
- Highlights -7 -55
- Shadows -35 83
- Black Clipping +12 6
- Auto Tone
- Crop Rectangle
- Crop Rectangle
- Upright Perspective Auto
- Import (20/10/2017 20:19:03)

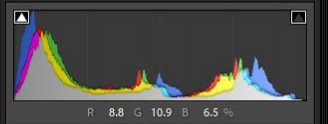
► Collections +

Copy... Paste

Folder: 2017-10-18 33 photos / 1 selected / 20171018-PA180427.dng



Histogram ▾



Original Photo

Grid, Compare, Web, Web Compare, Web Grid, Web Compare Grid, Web Compare Grid 2, Web Compare Grid 3, Web Compare Grid 4, Web Compare Grid 5, Web Compare Grid 6, Web Compare Grid 7, Web Compare Grid 8, Web Compare Grid 9, Web Compare Grid 10, Web Compare Grid 11, Web Compare Grid 12, Web Compare Grid 13, Web Compare Grid 14, Web Compare Grid 15, Web Compare Grid 16, Web Compare Grid 17, Web Compare Grid 18, Web Compare Grid 19, Web Compare Grid 20, Web Compare Grid 21, Web Compare Grid 22, Web Compare Grid 23, Web Compare Grid 24, Web Compare Grid 25, Web Compare Grid 26, Web Compare Grid 27, Web Compare Grid 28, Web Compare Grid 29, Web Compare Grid 30, Web Compare Grid 31, Web Compare Grid 32, Web Compare Grid 33, Web Compare Grid 34, Web Compare Grid 35, Web Compare Grid 36, Web Compare Grid 37, Web Compare Grid 38, Web Compare Grid 39, Web Compare Grid 40, Web Compare Grid 41, Web Compare Grid 42, Web Compare Grid 43, Web Compare Grid 44, Web Compare Grid 45, Web Compare Grid 46, Web Compare Grid 47, Web Compare Grid 48, Web Compare Grid 49, Web Compare Grid 50, Web Compare Grid 51, Web Compare Grid 52, Web Compare Grid 53, Web Compare Grid 54, Web Compare Grid 55, Web Compare Grid 56, Web Compare Grid 57, Web Compare Grid 58, Web Compare Grid 59, Web Compare Grid 60, Web Compare Grid 61, Web Compare Grid 62, Web Compare Grid 63, Web Compare Grid 64, Web Compare Grid 65, Web Compare Grid 66, Web Compare Grid 67, Web Compare Grid 68, Web Compare Grid 69, Web Compare Grid 70, Web Compare Grid 71, Web Compare Grid 72, Web Compare Grid 73, Web Compare Grid 74, Web Compare Grid 75, Web Compare Grid 76, Web Compare Grid 77, Web Compare Grid 78, Web Compare Grid 79, Web Compare Grid 80, Web Compare Grid 81, Web Compare Grid 82, Web Compare Grid 83, Web Compare Grid 84, Web Compare Grid 85, Web Compare Grid 86, Web Compare Grid 87, Web Compare Grid 88, Web Compare Grid 89, Web Compare Grid 90, Web Compare Grid 91, Web Compare Grid 92, Web Compare Grid 93, Web Compare Grid 94, Web Compare Grid 95, Web Compare Grid 96, Web Compare Grid 97, Web Compare Grid 98, Web Compare Grid 99, Web Compare Grid 100

Basic ▾

Treatment: Color Black & White

WB: As Shot

Temp 5000

Tint +7

Tone

Exposure 0.00

Contrast 0

Highlights 0

Shadows 0

Whites 0

Blacks 0

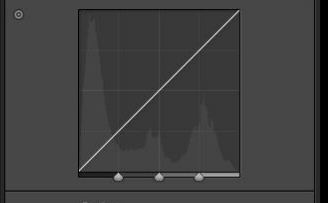
Presence

Clarity 0

Vibrance 0

Saturation 0

Tone Curve ▾



Region

Previous Reset

▼ Snapshots	+	
▼ History	✕	
Luminance Smoothing	+14	14
Sharpening	-39	64
Dark Tones	-1	1
Light Tones	-10	10
Temperature	-484	5.5K
White Balance: As Shot		
White Balance: Auto		
Black Clipping	-6	0
White Clipping	-6	16
Highlights	-7	-55
Shadows	-35	83
Black Clipping	-12	6
Auto Tone		
Crop Rectangle		
Crop Rectangle		
Upright Perspective	Auto	
Import (20/10/2017 20:19:03)		
▶ Collections	+	



## Adjustments:

- white balance
- cropping
- exposure increased
- contrast increased
- highlights down
- shadows slightly opened up
- tones adjusted
- sharpened



# Plug-ins: Google Nik: Silver Efex Pro 2

The screenshot displays the Silver Efex Pro 2 software interface. The central workspace shows a black and white photograph of a Norwegian town with a church and boats. The interface includes a Preset Library on the left, a main workspace, and a right-hand panel with various adjustment options.

**PRESET LIBRARY**

- ALL (38)
- CLASSIC (15)
- MODERN (11)
- VINTAGE (12)
- RECENTLY USED
- FAVOURITES (0)

**032 Film Noir 3**

**033 Yellowed 1**

**034 Yellowed 2**

**035 Antique Plate 1**

**CUSTOM**

**IMPORTED**

**HISTORY**

**HELP** **SETTINGS**

**Silver Efex Pro 2**

**GLOBAL ADJUSTMENTS**

- Brightness: 32%
- Contrast: 82%
- Structure: 0%

**Tonality Protection**

- Shadows:
- Highlights:

**SELECTIVE ADJUSTMENTS**

- Control Points

**COLOUR FILTER**

**Details**

- FILM TYPES
- FINISHING ADJUSTMENTS
- Toning: 21
- Vignette: Off
- Burn Edges: Off

**LOUPE & HISTOGRAM**

**CANCEL** **SAVE**

20170706-DSC\_0913-Edit-2.tif  
22.1 MP, ISO 250, NIKON D7100



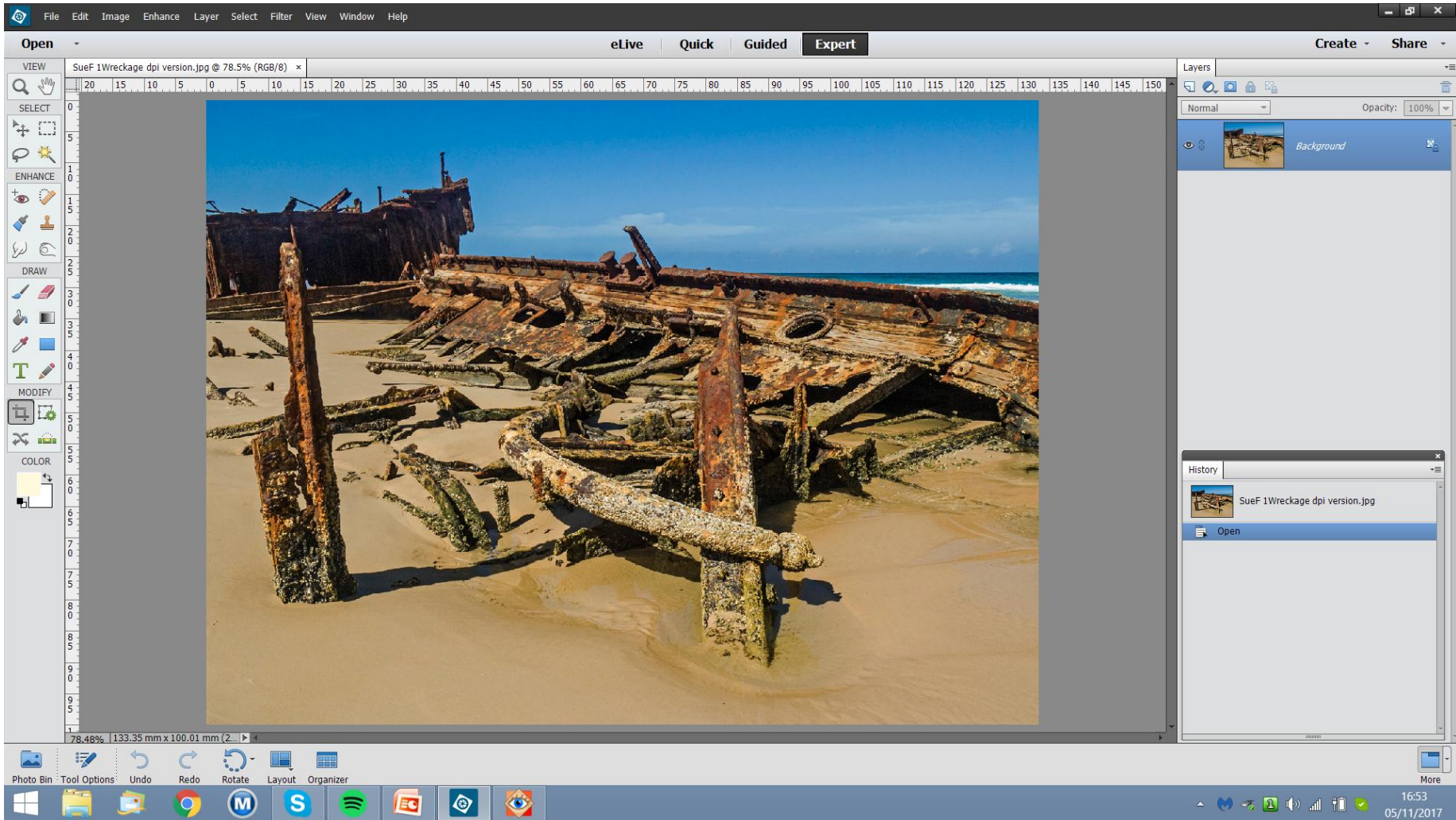
Pre-sets  
eg HDR: 3 photos  
bracketed to cope with  
dynamic range  
Combined in HDR Efex  
Pro 2





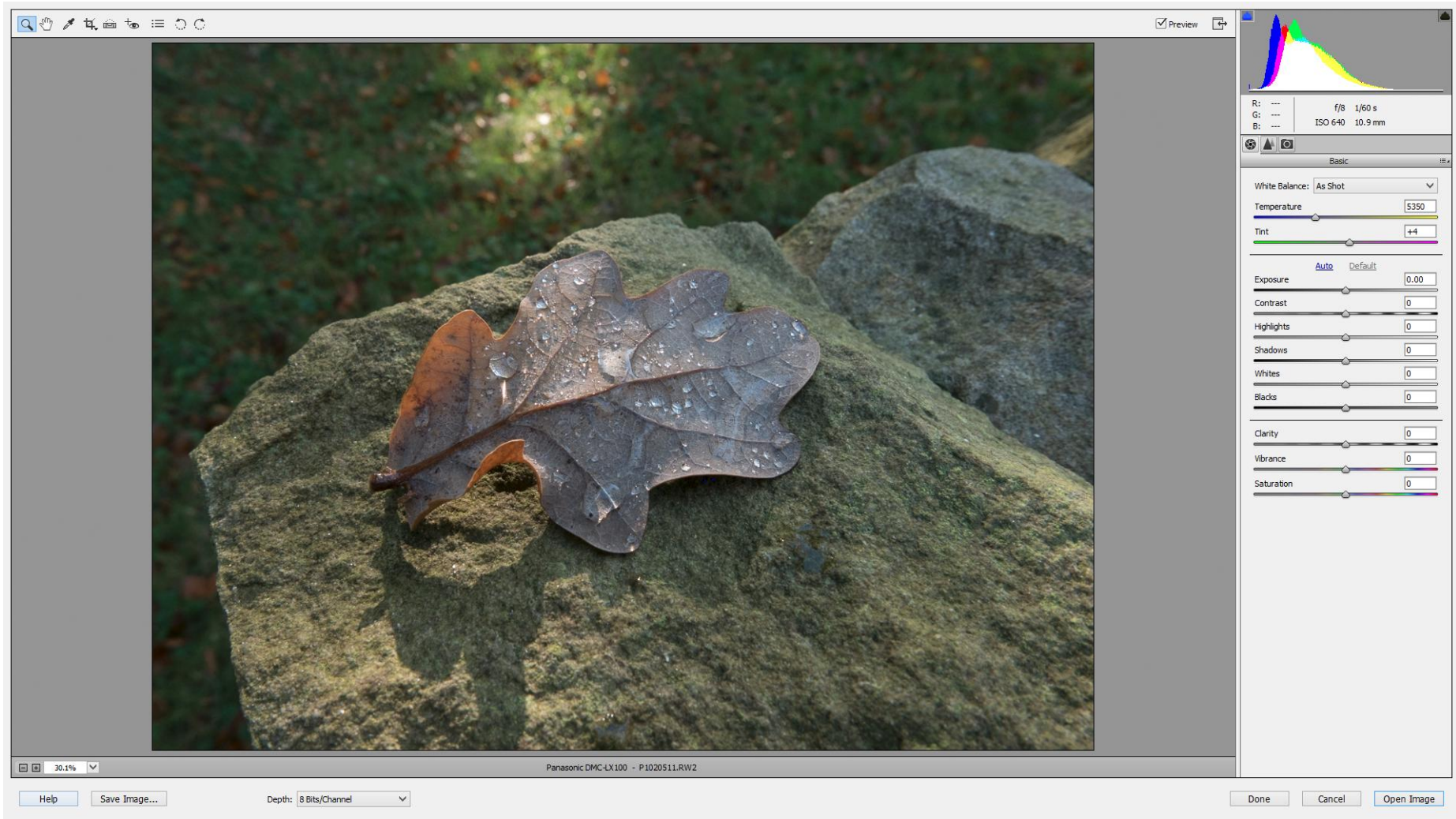
Colour Efex Pro 2

# Photoshop Elements – main editing screen





# Photoshop Elements – RAW editor



# Having fun with unpromising shots



This was created using the “picture stack” option in the Guided Edits section of Elements. You can also do jigsaws and “pop art” amongst other effects.



# Layers – a key concept

- Layers are like digital transparent acetate sheets that you can overlay in a stack.
- You can edit each layer separately and turn them on and off to achieve different effects.
- Editing in layers means you don't risk spoiling the image you are working on and having to undo lots of steps if you decide you don't like something.

# Layers – first stage

Create an image – this was cut out digitally from a photo taken in a toy store (acknowledgements to Beckham Digital)



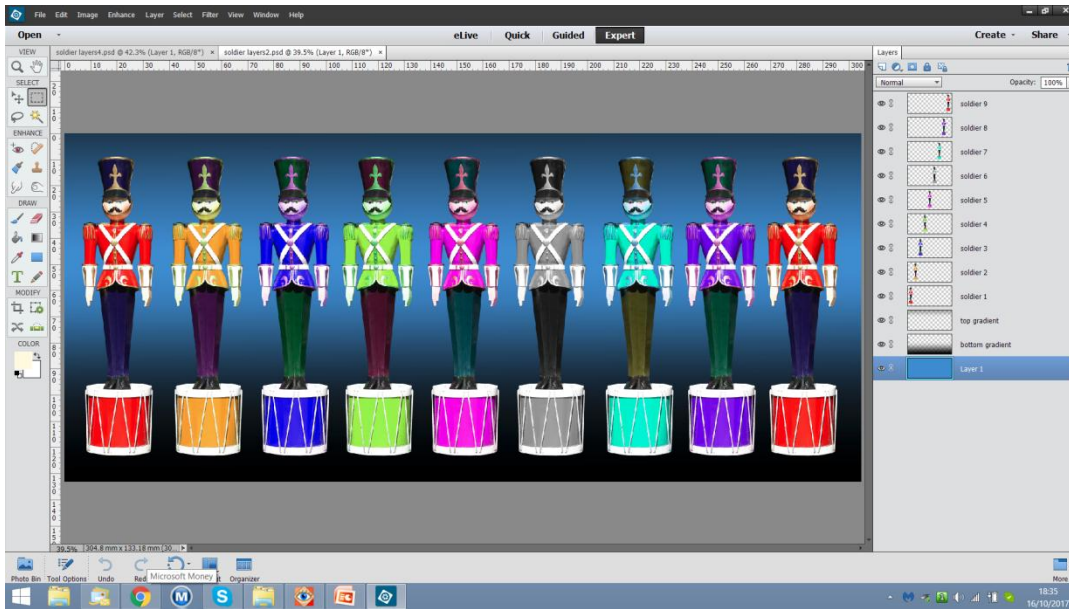
Copies of this were made onto separate layers in Photoshop elements. Each layer could be moved separately to achieve the following effect .....



List on right shows one layer for each soldier and one layer for the dark background.

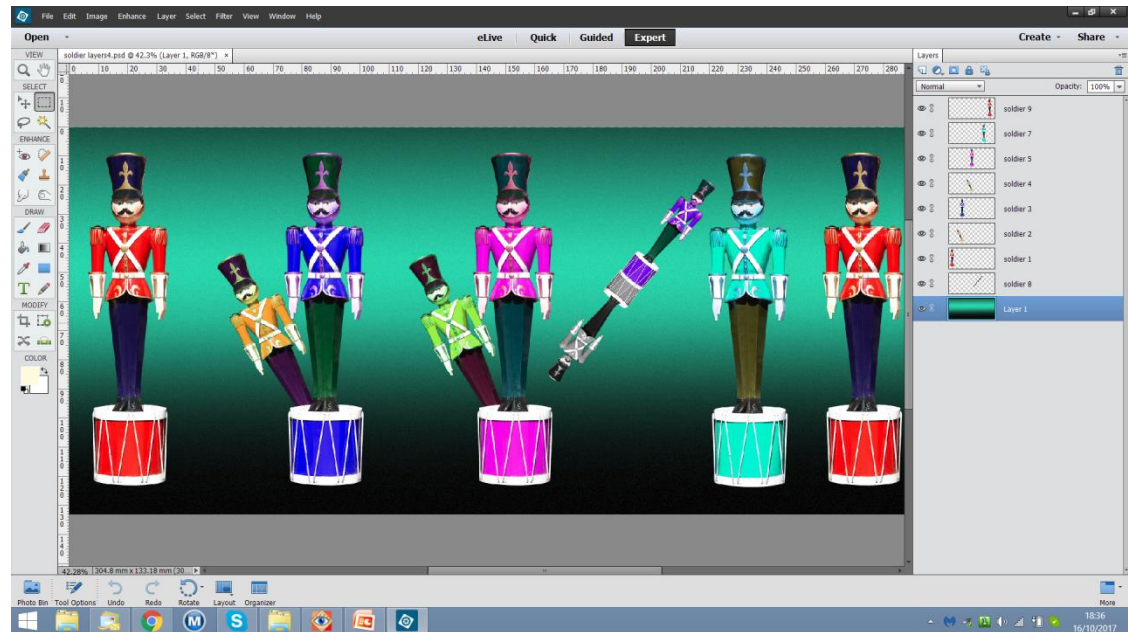


Turning off two layers instantly creates a different effect (Harry Potter and the Invisibility Cloak .....



You can change size and colour on different layers and mess about to your heart's content!

Each combination can be saved as a complete image and you can still go back to the layered version



Most of the major packages have videos and “how to” guides on the web. Put in the name of a package and a feature on YouTube and see what comes up.

The image shows a screenshot of a YouTube search results page. The search bar at the top contains the text "photoshop elements cloning tutorials". The page displays a list of search results, each with a video thumbnail, title, channel name, upload date, view count, and a brief description.

**Search Results:**

- Video 1:** "Photoshop Elements: Using the Clone Stamp tool | lynda.com tutorial" by LinkedIn Learning Solutions, 6 years ago, 29,898 views. Description: "This Photoshop Elements tutorial discusses how to use the Clone Stamp tool to fill in a missing piece of a photograph." (5:44)
- Video 2:** "How to Remove People using Clone Stamp in Adobe Photoshop Elements 2018 15 14 13 12 11..." by How To Gurus, 1 year ago, 7,923 views. Description: "Photoshop Elements Remove People -> Get my Complete Training Courses Online https://www.georgepeirson.com/expert -> Get ..." (28:55)
- Video 3:** "How to Use the Clone Stamp tool in Photoshop Elements" by Digital Scrapbooking HQ, 4 years ago, 22,258 views. Description: "http://www.digitalscrapbookinghq.com/abcs-pse-s/ How to Use the Clone Stamp tool in Photoshop Elements to remove a person ..." (6:44)
- Video 4:** "How To Use Photoshop Elements to Clone" by Rick Peterson, 3 years ago, 13,317 views. Description: "Use Photoshop Elements to Clone objects and/or people out of your photos. This video shows you exactly how to use the Clone ..." (14:18)

**Left Sidebar:**

- Home
- Trending
- History
- BEST OF YOUTUBE**
- Music
- Sports
- Gaming
- Films
- TV Shows
- News
- Live
- Spotlight
- 360° Video
- Browse channels
- Sign in now to see your channels and recommendations!
- Sign in



Thank you – over to you!

- 1 What package(s) do you use?
- 2 Which features do you use most?
- 3 Which features don't you like or find hard to use?
- 4 Is it really “cheating?” .....