Geotag Your Photos

Jim Schacht

What is Geotagging?

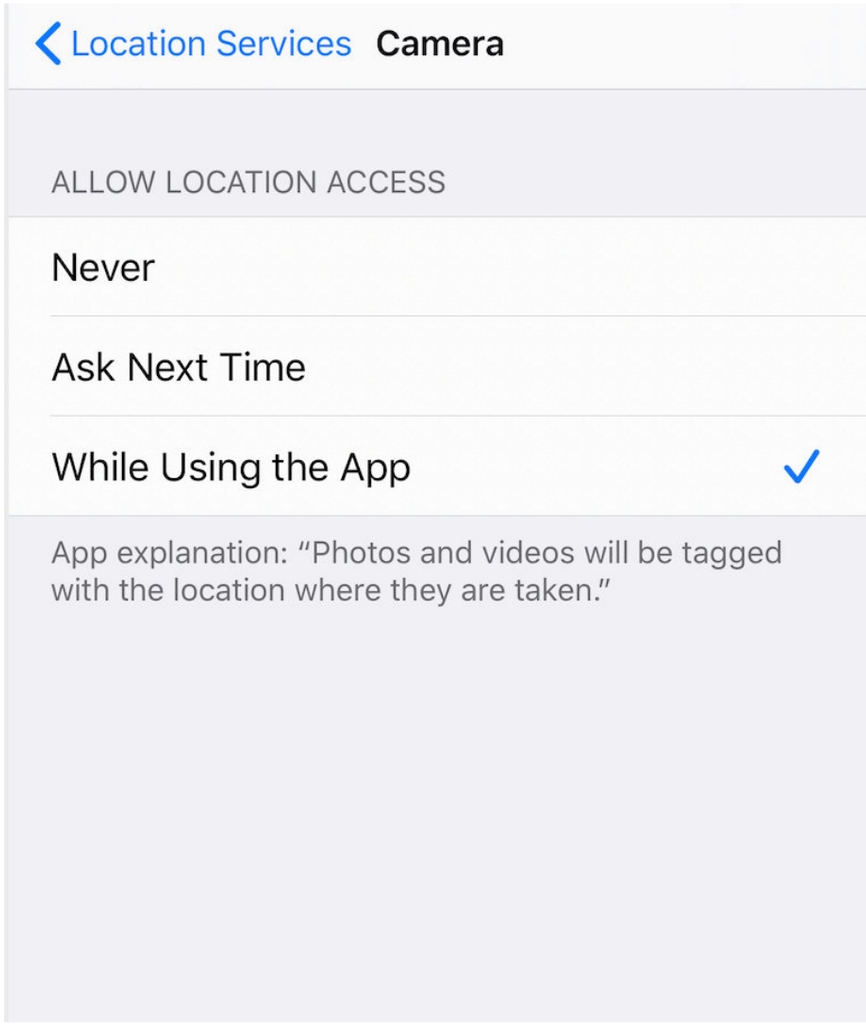
- Adding location data (Latitude & Longitude) to the EXIF data embedded in your photos

Why Geotag?

- Accurately saves location of where we took the photo
- Find names of places we have visited after we return from a trip
- Photo sharing, Flickr, Google Photos etc. shows location on map
- Helps you or others get to the spot where you took that great shot

How to Geotag

- Easy if you take your photos with a Smartphone
- Use Smartphone with location data turned on
- Automatically embeds location data in every photo (if you can receive a GPS signal)



How to Geotag

- Some cameras have a built-in GPS - check your manual

How to Geotag?

- Purchase an external accessory.

- Available for some camera models (not all)

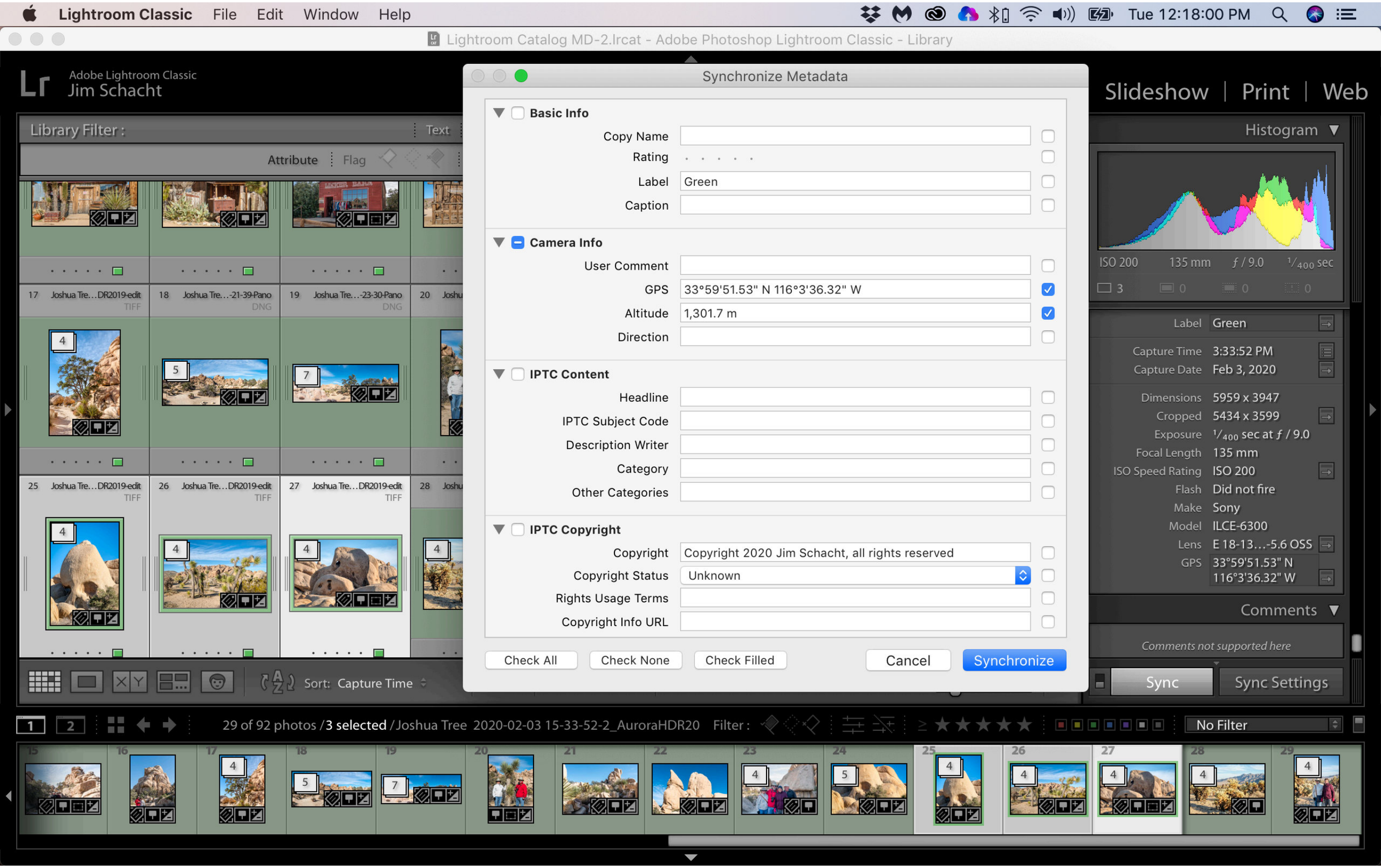
Hybrid Techniques #1

- ***Make sure your camera is set to the correct local time and date***

- If you have a smartphone with you, take a photo at locations that you want to geotag

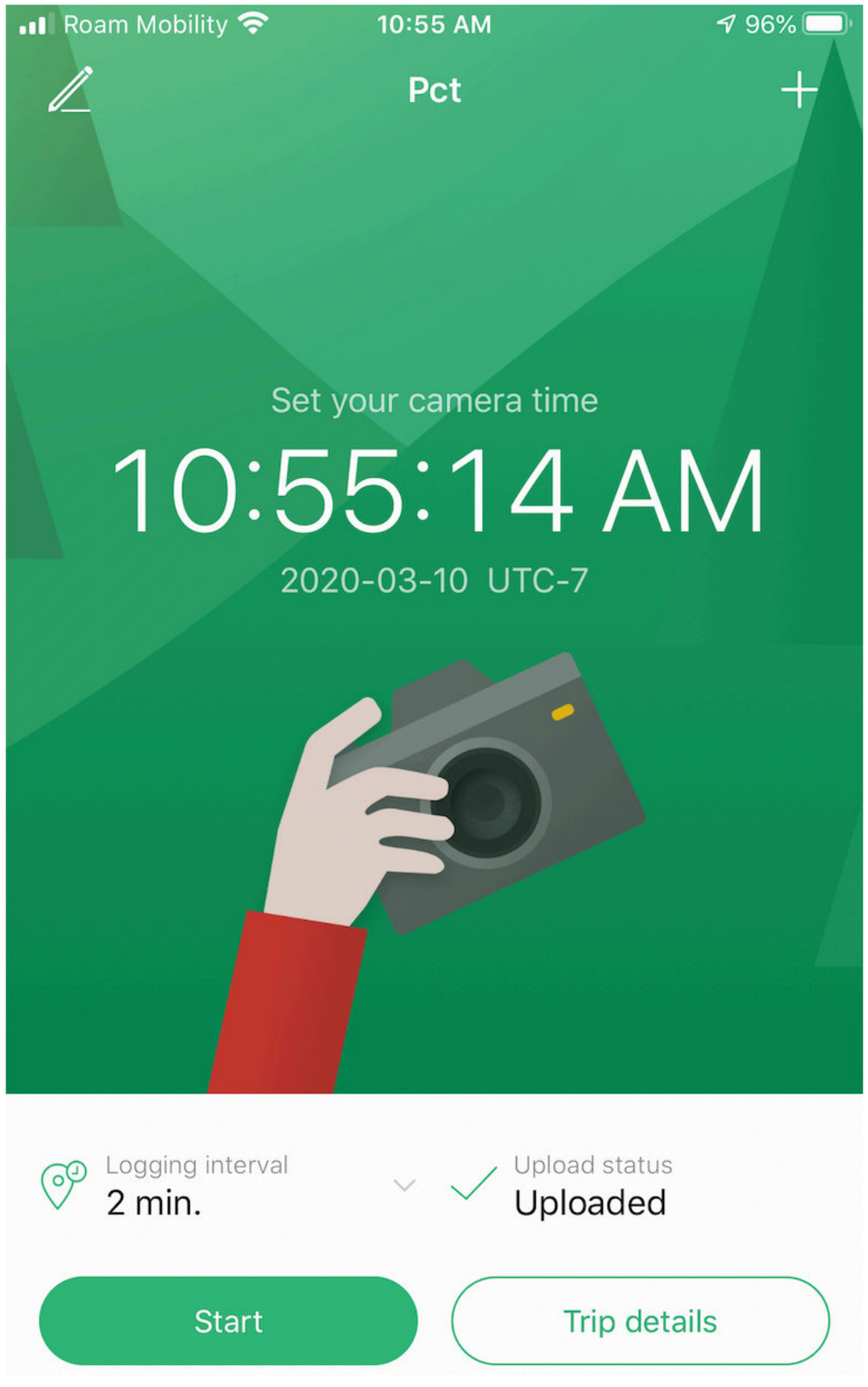
- Import both sets of photos into your post processing program (LR)

- Synchronize the location metadata of the Smartphone photo with your camera photos taken from the same location


Lightroom Classic File Edit Window Help
Tue 12:18:00 PM
Lightroom Catalog MD-2.lrcat - Adobe Photoshop Lightroom Classic - Library
Adobe Lightroom Classic
Jim Schacht
Slideshow | Print | Web
Library Filter :
Text
Attribute
Flag
Synchronize Metadata
Basic Info
Copy Name
Rating
Label
Green
Caption
Camera Info
User Comment
GPS
33°59'51.53" N 116°3'36.32" W
Altitude
1,301.7 m
Direction
IPTC Content
Headline
IPTC Subject Code
Description Writer
Category
Other Categories
IPTC Copyright
Copyright
Copyright 2020 Jim Schacht, all rights reserved
Copyright Status
Unknown
Rights Usage Terms
Copyright Info URL
Check All
Check None
Check Filled
Cancel
Synchronize
Histogram
ISO 200
135 mm
ƒ / 9.0
1/400 sec
Label
Green
Capture Time
3:33:52 PM
Capture Date
Feb 3, 2020
Dimensions
5959 x 3947
Cropped
5434 x 3599
Exposure
1/400 sec at ƒ / 9.0
Focal Length
135 mm
ISO Speed Rating
ISO 200
Flash
Did not fire
Make
Sony
Model
ILCE-6300
Lens
E 18-13…-5.6 OSS
GPS
33°59'51.53" N
116°3'36.32" W
Comments
Comments not supported here
Sync
Sync Settings
Sort:
Capture Time
29 of 92 photos / 3 selected / Joshua Tree 2020-02-03 15-33-52-2_AuroraHDR20
Filter :
No Filter

Hybrid Techniques #2

- Use a location tracking phone app ***(Geotag Photos Pro 2)***
- This creates a GPX file while you run the program (all day)
- GPX file is uploaded to the web site when you stop the app
- Requires synchronization of camera clock and smartphone time
- Before importing photos to LR, run the Geotag Photos Pro 2 application on your computer and select the day's GPX file and photos you want to geotag. It will write the location data to the EXIF data in each photo that was taken closest to each of the logged data points (I log every 2 minutes)


Roam Mobility
10:55 AM
96%
Pct
Set your camera time
10:55:14 AM
2020-03-10 UTC-7
Logging interval
2 min.
Upload status
Uploaded
Start
Trip details

Geotag Photos Pro 2 Edit Help Tue 5:27:14 PM

Lightroom Catalog MD-2.lrcat - Adobe Photoshop Lightroom Classic - Library

Geotag Photos Pro 2

GEOTAG PHOTOS.NET

GPX FILE

TRIP SOURCE

Pct

PHOTOS DIRECTORY

10200303

Recent Directories

Start Geotagging
1 trip, 38 photos

Fix camera time

Pct

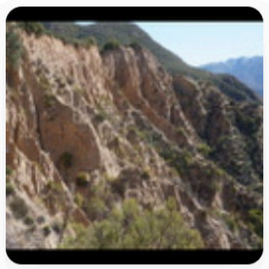
38 Photos · Mar 3, 2020 8:25 AM - Mar 3, 2020 5:23 PM

DSC02904.ARW
Mar 3, 2020

DSC02905.ARW
Mar 3, 2020

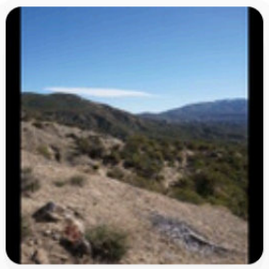
DSC02906.ARW
Mar 3, 2020

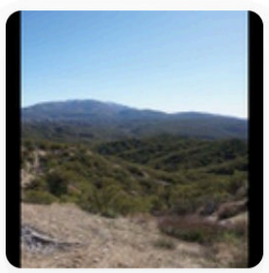
DSC02907.ARW
Mar 3, 2020

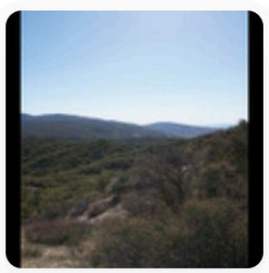

DSC02908.ARW
Mar 3, 2020

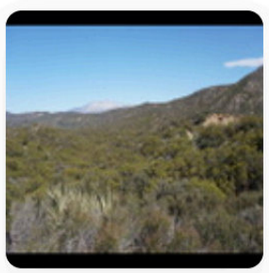
DSC02909.ARW
Mar 3, 2020

DSC02910.ARW
Mar 3, 2020


DSC02911.ARW
Mar 3, 2020







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Geotag Photos Pro 2 Edit Help Tue 5:27:38 PM

Lightroom Catalog MD-2.lrcat - Adobe Photoshop Lightroom Classic - Library

Geotag Photos Pro 2

GEOTAG PHOTOS.NET

GPX FILE

TRIP SOURCE

Pct

PHOTOS DIRECTORY

10200303

Recent Directories

Start Geotagging
1 trip, 38 photos

Fix camera time

Pct
38 Photos · Mar 3, 2020 8:25 AM - Mar 3, 2020 5:23 PM

DSC02907.ARW
Mar 3, 2020

DSC02911.ARW
Mar 3, 2020

Geotagging photos...

4 of 38 files

Cancel

/Volumes/Untitled/DCIM/10200303

Source

Devices

Untitled

Files

Macintosh HD

Media Drive

Media Backup

Untitled

DCIM

MP_ROC

PRIVATE

Import

Geotag Photos Pro 2 Edit Help Tue 5:28:31 PM

Lightroom Catalog MD-2.lrcat - Adobe Photoshop Lightroom Classic - Library

Geotag Photos Pro 2

GEOTAG PHOTOS.NET

GPX FILE

TRIP SOURCE

Pct

PHOTOS DIRECTORY

10200303

Recent Directories

Start Geotagging
1 trip, 38 photos

Fix camera time

Pct
38 Photos · Mar 3, 2020 8:25 AM - Mar 3, 2020 5:23 PM

DSC02904.ARW
DSC02905.ARW
DSC02906.ARW
DSC02907.ARW
Mar 3, 2020

DSC02908.ARW
Mar 3, 2020
DSC02909.ARW
Mar 3, 2020
DSC02910.ARW
Mar 3, 2020
DSC02911.ARW
Mar 3, 2020

/Volumes/Untitled/DCIM/10200303

Geotagging completed!

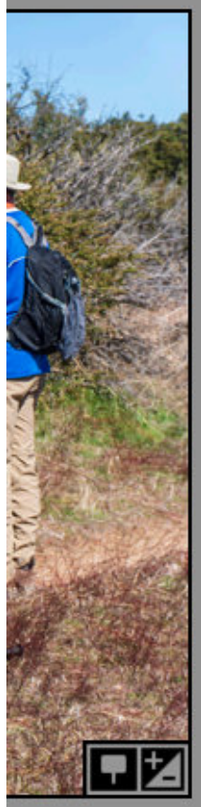
38 photos successfully geotagged

Ok

Source
Devices
Untitled
Files
Macintosh HD
Media Drive
Media Backup
Untitled
DCIM
MP_ROOT
PRIVATE

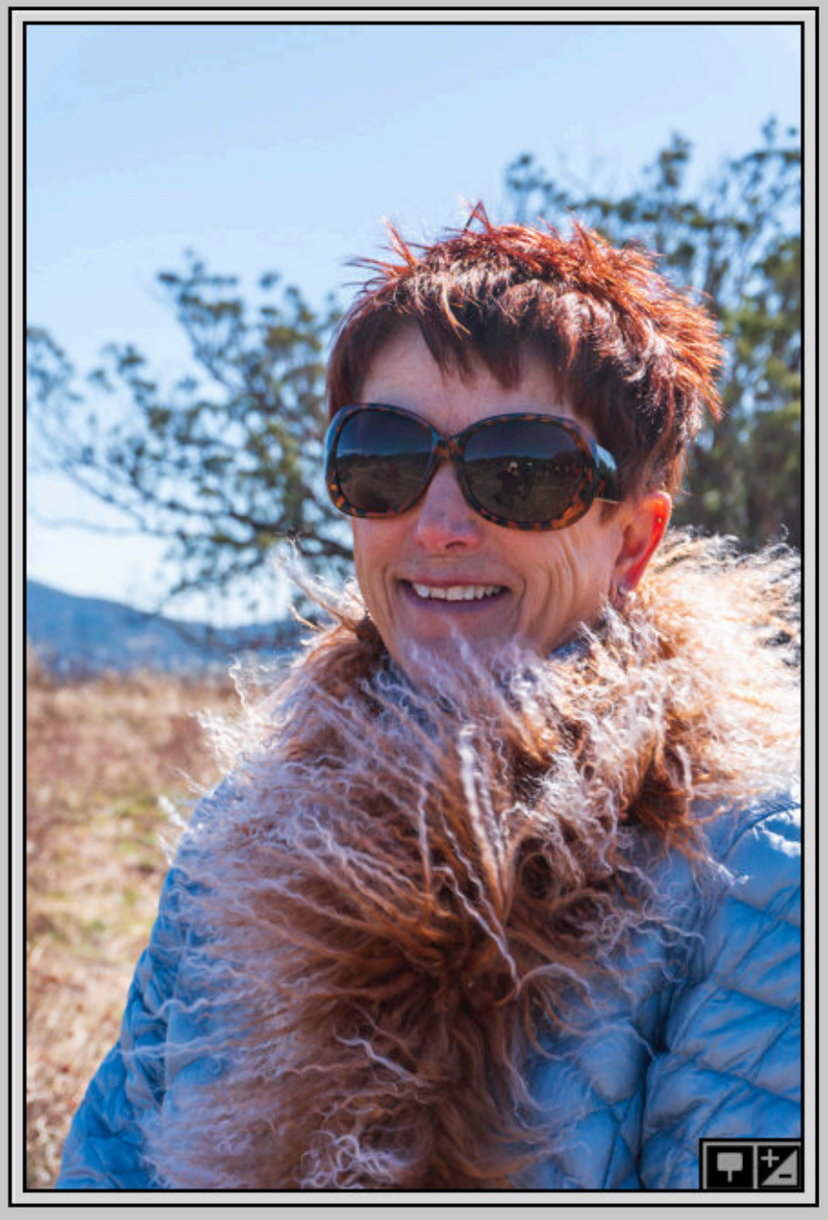
File Handling
Duplicates
Download Backups
File Renaming
Country Hike
as-is
During Import
RAW
Import

3 10-09-20
ARW



22

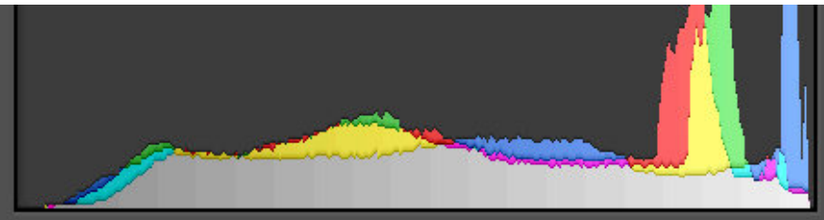
PCT Hike 2020-03-03 10-18-47
ARW



3 10-20-19
ARW

24

PCT Hike 2020-03-03 10-20-27
ARW



ISO 100 50 mm ƒ / 8.0 1/160 sec

Original Photo

Label	
Capture Time	10:18:47 AM
Capture Date	Mar 3, 2020
Dimensions	4000 x 6000
Cropped	4000 x 6000
Exposure	1/160 sec at ƒ / 8.0
Focal Length	50 mm
ISO Speed Rating	ISO 100
Flash	Did not fire
Make	Sony
Model	ILCE-6300
Lens	E PZ 16-…5.6 OSS
GPS	33°32'13.758" N 116°34'54.9552" W

Comments

Capture Time

Thumbnails

Sync Sync Settings

Lightroom Classic File Edit Map Photo View Window Help Tue 5:39:25 PM

Lightroom Catalog MD-2.lrcat - Adobe Photoshop Lightroom Classic - Map

Adobe Lightroom Classic
Jim Schacht

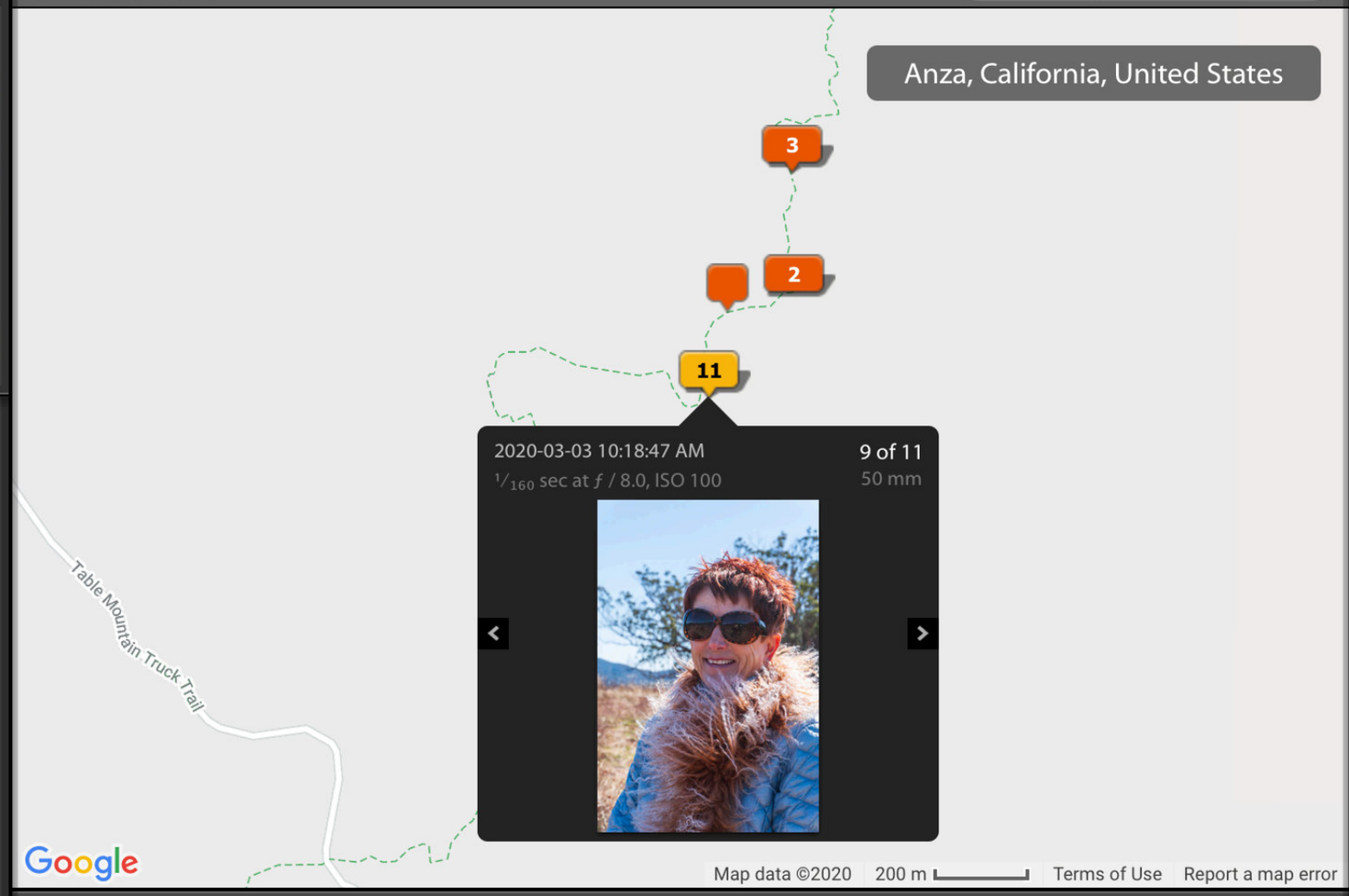
Library | Develop | Map | Book | Slideshow | Print | Web

Navigator

- Cards 51
- Date Fes… 15
- PSA Sub… 4
- SCSHCC… 8
- SHCC 17
- SCSHCC 2019
  - Cards 30
  - Date Fes… 5
  - Domina… 6
  - Photo S… 20
  - PSA 4
- SCSHCC 2020
  - Cards 44
  - Date Fes… 12
  - Feb - Str… 7

Location Filter : Visible On Map | Tagged | Untagged | None | Search Map

Anza, California, United States



Map Style: Road Map

Metadata

Location | Metadata

Preset: None

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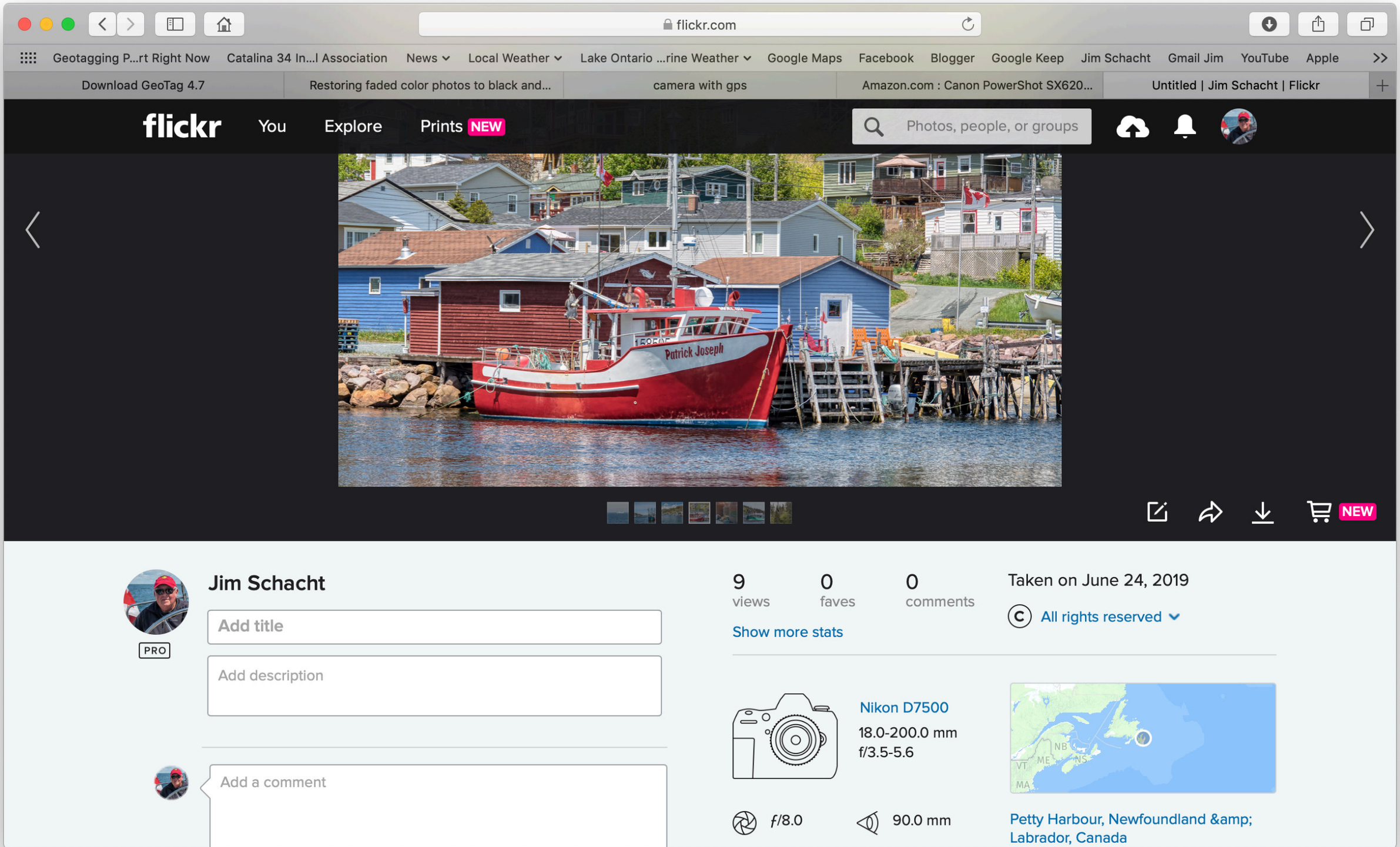
City	
State / Province	
Country / Region	
ISO Country Code	
GPS	33°32'13.758" N 116°34'54.9552" W
Altitude	1,470.8 m
Direction	
Title	
Caption	
Date Time Original	2020-03-03 10:18…
Date Time	2020-03-03 10:18:47…
Date Created	2020-03-03T10:18:47
Intellectual Genre	
IPTC Scene Code	

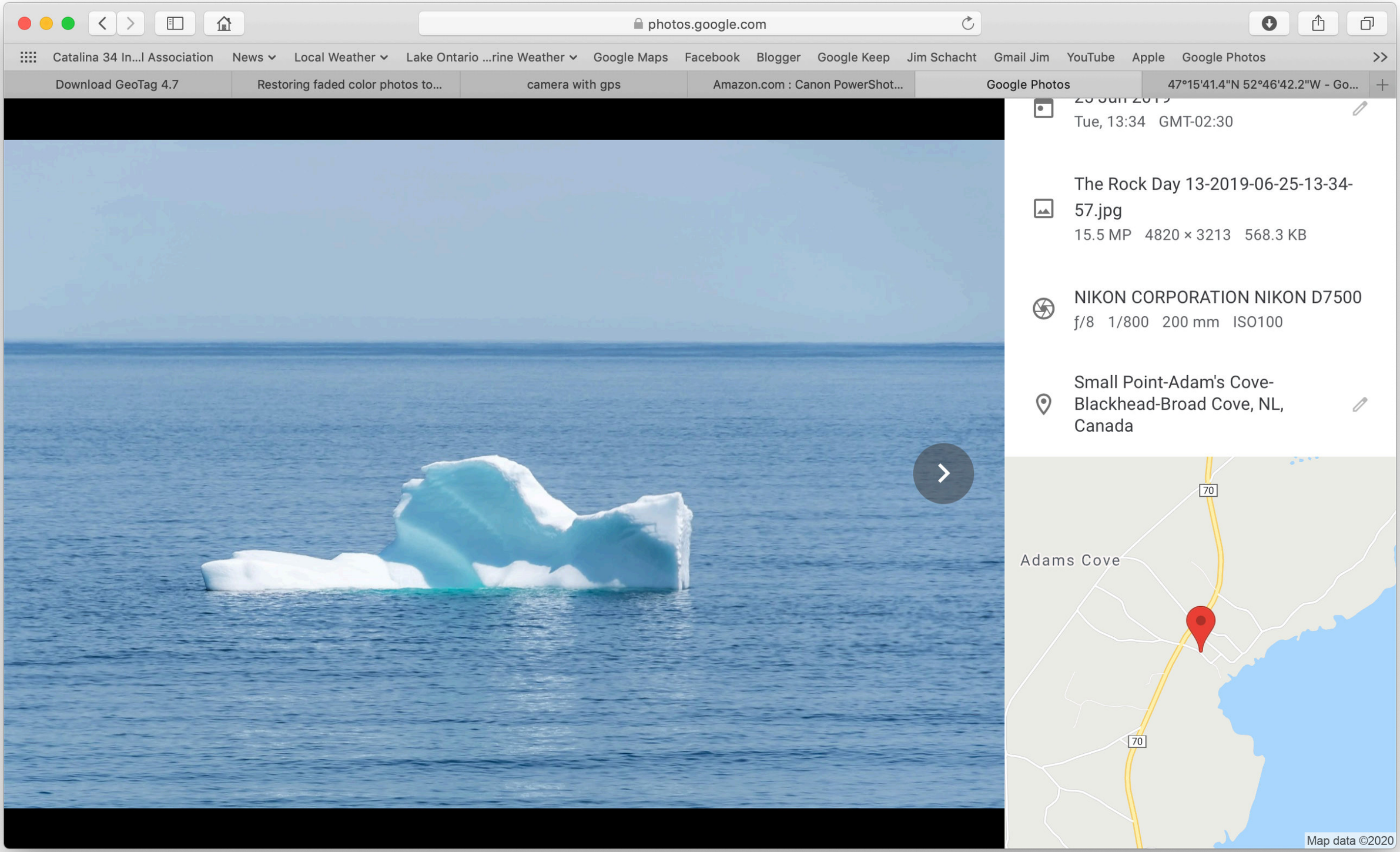
Sync Metadata...

1 2 Folder : PCT 38 photos / 1 selected / PCT Hike 2020-03-03 10-18-47.ARW Filter : No Filter

Flickr


flickr.com
Geotagging P...rt Right Now
Catalina 34 In...l Association
News
Local Weather
Lake Ontario ...rine Weather
Google Maps
Facebook
Blogger
Google Keep
Jim Schacht
Gmail Jim
YouTube
Apple
Download GeoTag 4.7
Restoring faded color photos to black and...
camera with gps
Amazon.com : Canon PowerShot SX620...
Untitled | Jim Schacht | Flickr
flickr
You
Explore
Prints NEW
Photos, people, or groups
Patrick Joseph
NEW
Jim Schacht
PRO
Add title
Add description
Add a comment
9
views
0
faves
0
comments
Show more stats
Taken on June 24, 2019
All rights reserved
Nikon D7500
18.0-200.0 mm
f/3.5-5.6
f/8.0
90.0 mm
NB
VT
ME
NS
MA
Petty Harbour, Newfoundland & Labrador, Canada

Google Photos



Hybrid Techniques #3

- Use a map based application on your computer such as ***Geotag.app***

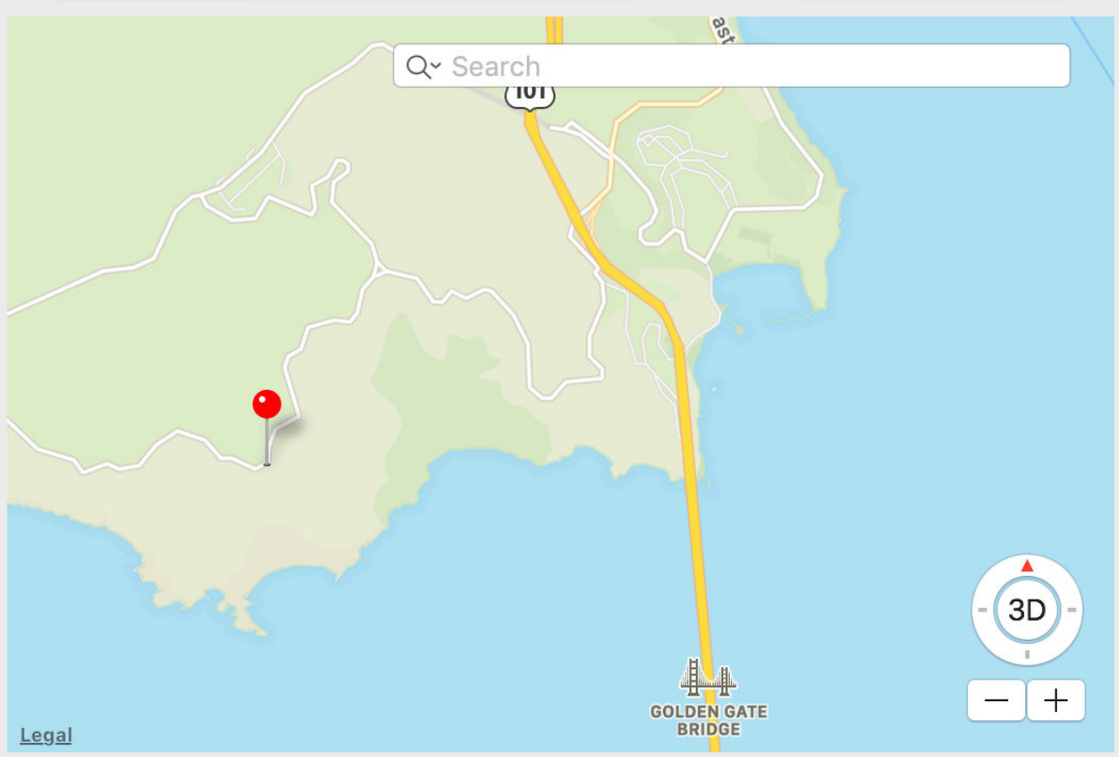
- *You have to know where you took the photo for this to work.*

GeoTag

Image Name	Date/Time	Latitude	Longitude
Americas Cup - 2013-0...	2013:09:09 12:30:02	37° 49' 35.16...	122° 29' 57...

Standard | Hybrid | Satellite

Save Map Layout

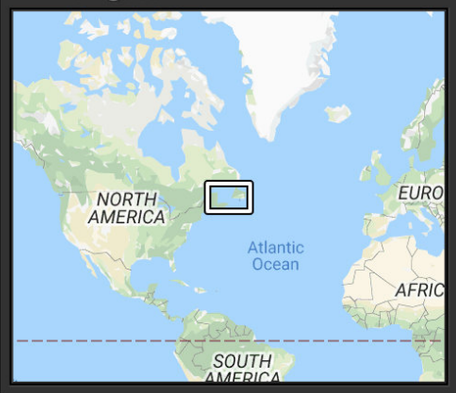


Lightroom Catalog MD-2.lrcat - Adobe Photoshop Lightroom Classic - Map

Lr Adobe Lightroom Classic
Jim Schacht

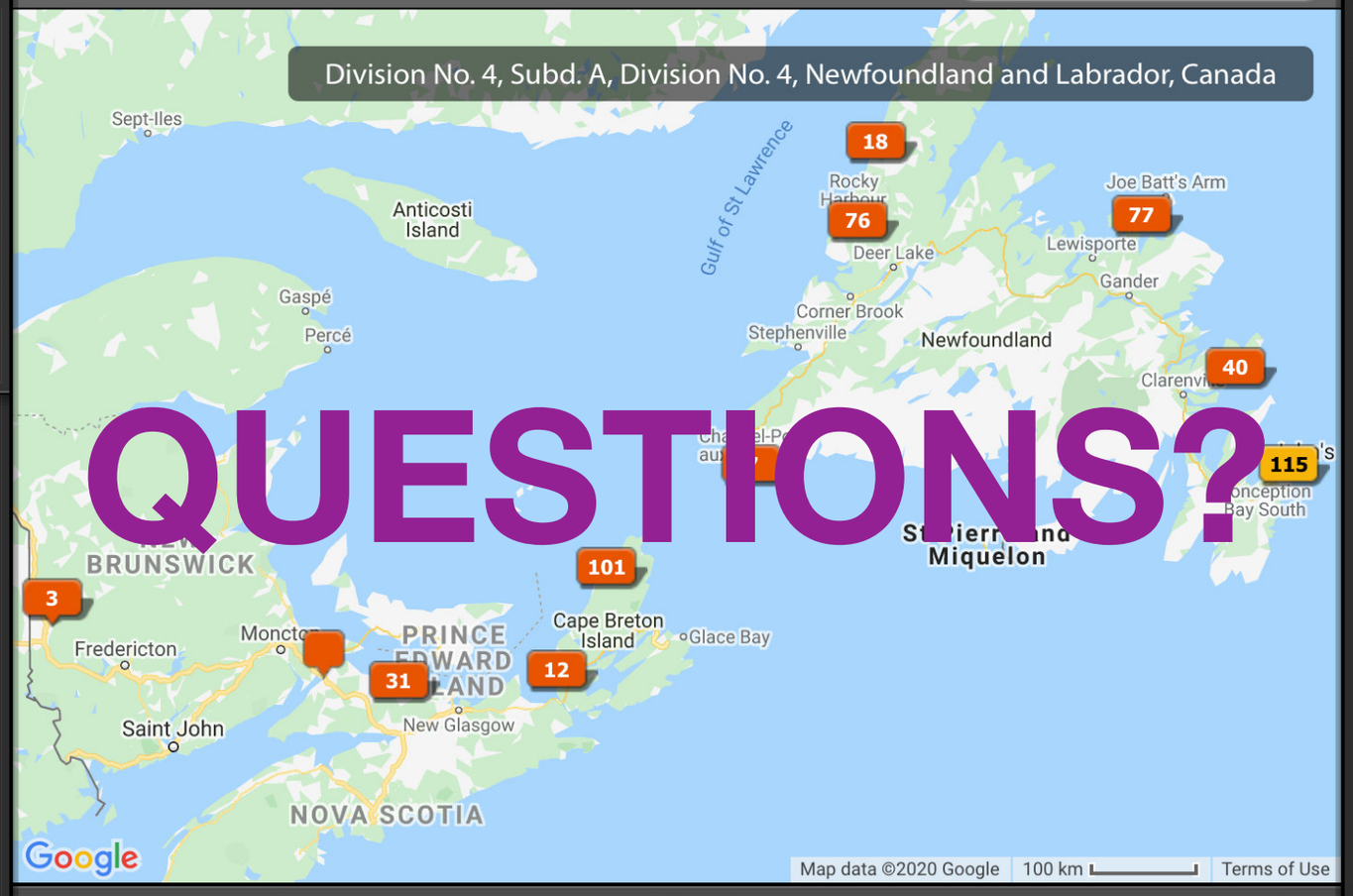
Library | Develop | Map | Book | Slideshow | Print | Web

▼ Navigator



Location Filter : | Visible On Map | Tagged | Untagged | None | Search Map

Division No. 4, Subd. A, Division No. 4, Newfoundland and Labrador, Canada



QUESTIONS?

Map Style: Road Map

Location | Metadata ▼

Preset: None

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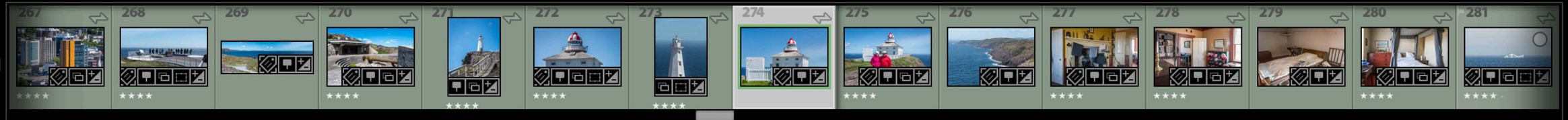
Copy Name	
Folder	The Rock Day 12
Metadata Status	Has been changed
Sublocation	
City	St. John's
State / Province	Newfoundland and Labrador
Country / Region	Canada
ISO Country Code	CA
GPS	47°31'10.75" N 52°37'25.45" W
Altitude	58.2 m
Direction	
Title	
Caption	
Date Time Original	2019-06-24 11:13…
Date Time	2019-06-25 8:28:37 PM
Date Created	2019-06-24T11:13:31.4 1-02:30

Sync Metadata...

Date Fes…	12
Feb - Str…	7
January…	10
Photo S…	13
Smart Collec…	
Spain	
Utah Nationa…	
Croatia Sailin…	1169
Tuscany Trip	999
Boat Wiring	1
Calypso	14
Favourites	87
Instagram +	224
My Photo Str…	0
Newfoundland	601

1 | 2 | Collection : ... | 601 photos / 1 selected / Cape Spear 2019-06-24 11-13-31.tiff | Filter : | No Filter