## Using Adobe Camera Raw 13.2 "Super Resolution" Feature

- This enhanced "Super Resolution" feature doubles the linear resolution of your file (increases the megapixels by 4X) and saves an enhanced DNG raw file.
- This "Super Resolution" feature can be used with Raw, TIF & JPEG files<sup>\*\*</sup>. However, the advantage of working on a camera raw capture is the data is rescaled into a **DNG raw file** for further non-destructive processing.
- This enhanced "Super Resolution" is not intended to be used on large megapixel files but on files that have been significantly cropped with not enough resolution for the desired output.
- This feature of Adobe Camera Raw 13.2 is only available in Photoshop and is not currently available in Lightroom (with ACR 13.2.) BUT, you need LcR 10.2 to Support Enhance Super-Res DNG files

   <u>Below is a Lightroom workflow using this ACR "Super Resolution"</u>:
- \*\*<u>Note</u>: Editing a non-Raw file in Photoshop's ACR needs the correct Camera Raw preference. Edit Photoshop Preferences: >Camera Raw>File Handling..."JPEG & TIF Handling": "**Automatically open all supported...**"

Julieanne Kost <u>https://www.youtube.com/watch?v=-uNdijku7iY</u>

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### Lightroom "Super Resolution" Workflow

Do your normal Lightroom processing workflow... if you did significant cropping and feel your file needs more resolution, you will need to open your camera raw file in Photoshop's ACR 13.2 to take advantage of the "Super Resolution" feature:

- 1. Before opening the LR file in Photoshop,
  - a. be sure to save your Lightroom catalog work "CMD/CTRL + S ...
- this saves your LR work into a raw XMP sidecar file (or writes changes into a JPEG, TIFF, PNG, PSD, or DNG)
  In Lightroom, "Right Mouse Click" the image and select "Show in Finder/Explorer"
- a. Open file in Photoshop\*\*
  3. In PS's ACR. "*Bight Mouse Click*" and select "Enhanced": check "Super Resolution" the
- 3. In PS's ACR, "*Right Mouse Click*" and select "**Enhanced**"; check "**Super Resolution**" then click "**Enhance**"
  - a. After "Enhanced" is complete, ACR 13.2...
    - saves the "enhanced" DNG file to the folder of the original file
    - maintains all Raw edits and snapshot of the original raw file
    - appends "Enhanced" to the original filename "filename-Enhanced.dng"
  - b. click "Done" then return to Lightroom

# ...you will need to Import this new DNG MASTER file into Lightroom

- 4. In Lightroom, "*Right Mouse Click*" the original image and select "Go to Folder in Library"
  - a. Then, "Right Mouse Click" on the folder and select "Synchronize Folder ... ",
    - at the menu, select "Synchronize" and select the "Enhanced-DNG" then Import
- 5. Continue your Lightroom processing on this *new DNG MASTER* file as normal.

### Note: You can only apply this enhanced "Super Resolution" 1x.

If, after your final processing more upscaling is necessary to support output requirements, you can use Topaz "Gigapixel" to scale the new DNG MASTER to the necessary resolution for your output.