

A fossilized insect, likely a fly or similar dipteran, is shown against a dark, textured background. The insect's body is centrally located, with its wings spread out to the left and right. The wings exhibit a clear network of veins, and the overall structure is preserved in a light gray or white color against the dark matrix.

# Digitizing 2D fossils: Selecting the Equipment

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# Fossil Insect Collaborative TCN



# Details to Ponder

- State of preservation
- Size of specimens
- Contrast between specimen and matrix
- Variety of specimens: now and later

# Solite Quarry Insects

- Age: Triassic
- Where: VA/NC
- Preserved as silver material on gray rock
- Varying sizes
- Not completely flat, in some cases



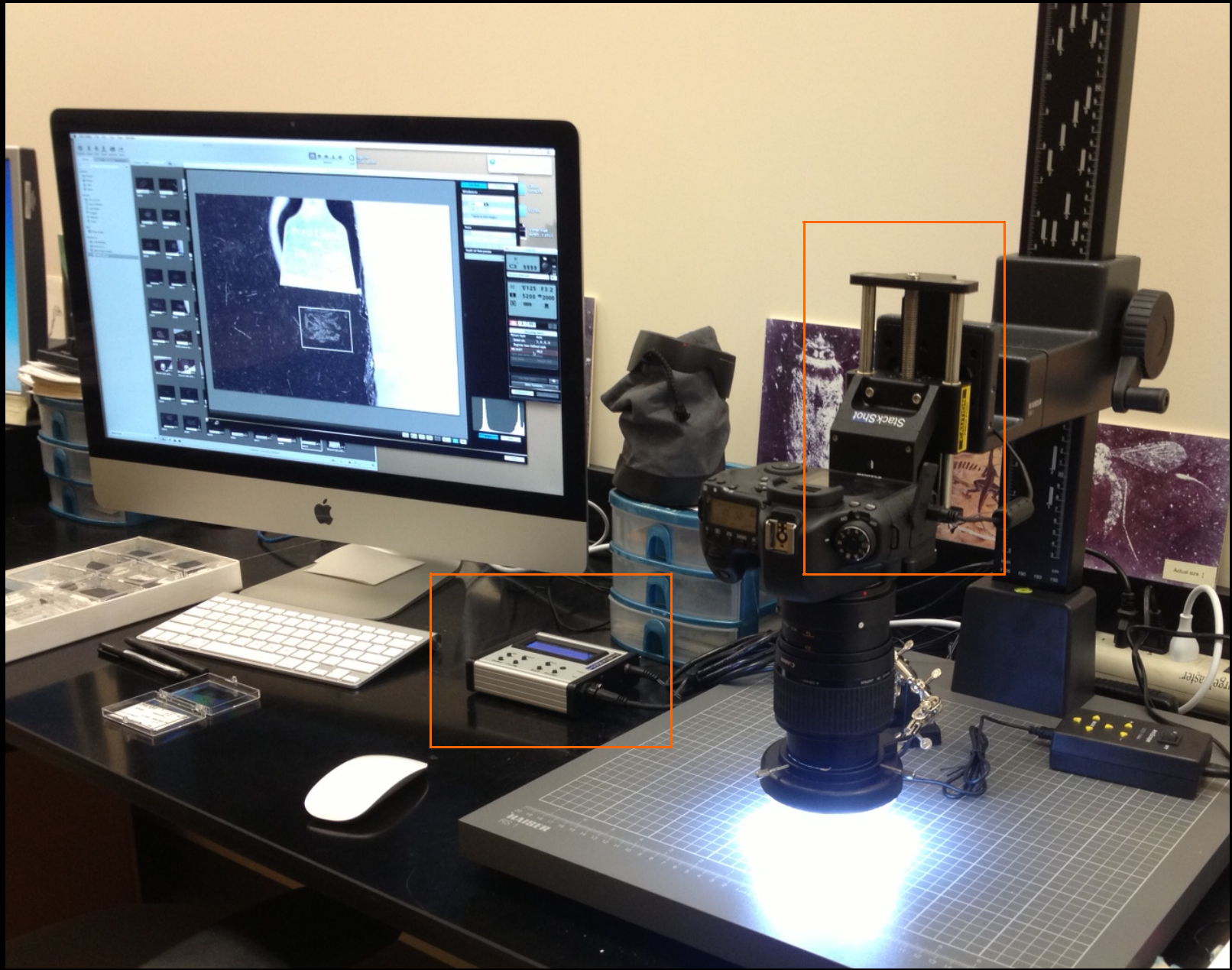


# Hardware

- Magnification: Canon 6D DSLR with 65 mm Macro lens
- Lighting: LED ring light
- Contrast: Douse specimen with alcohol



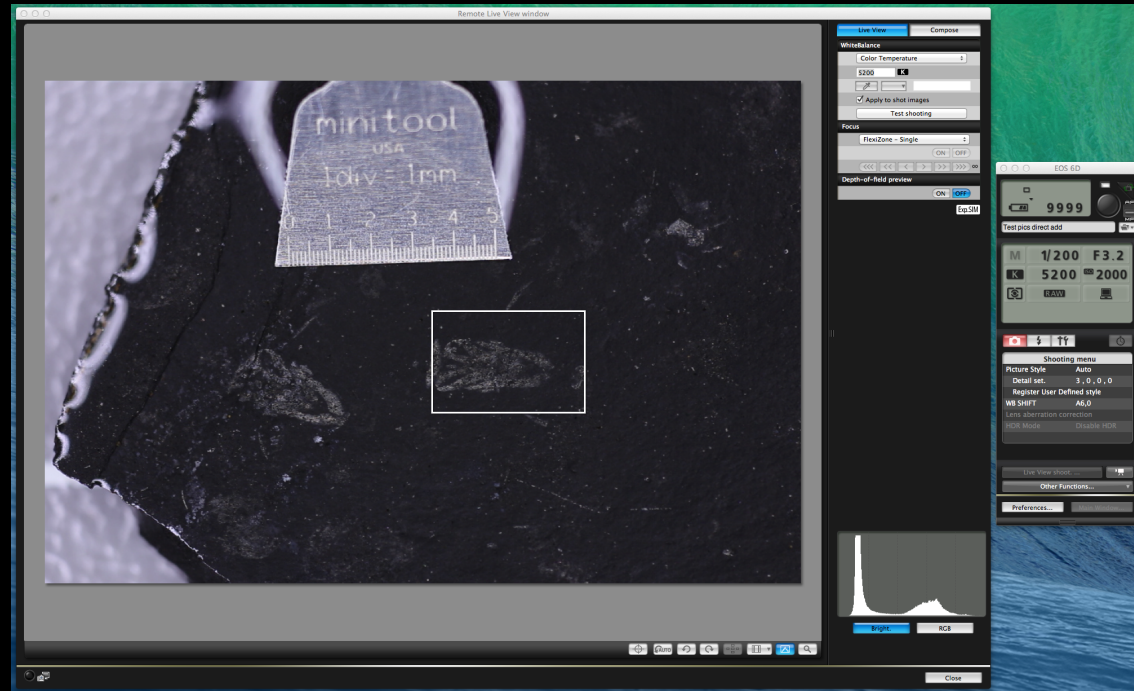
# Complete Setup





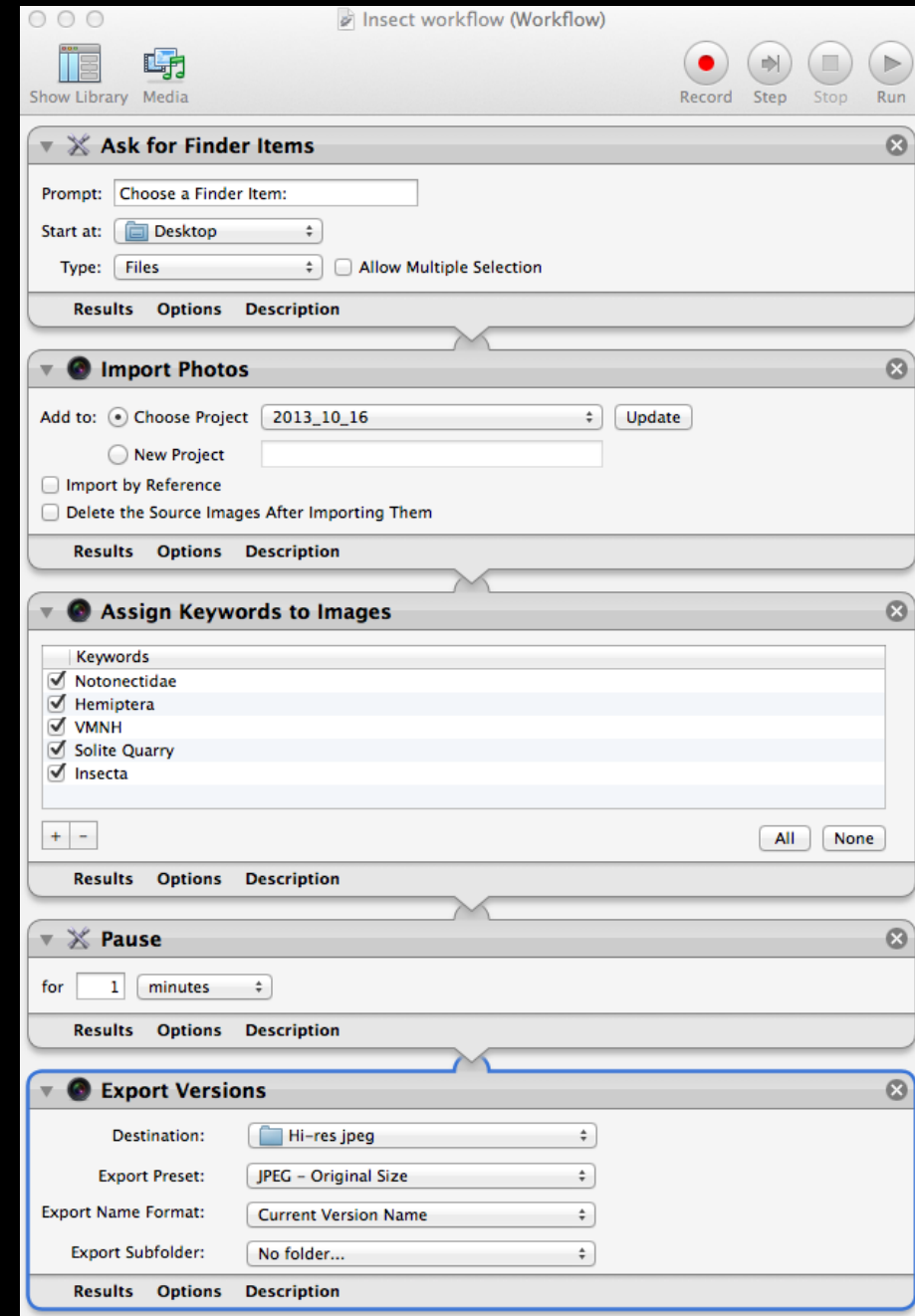
# Software – Making it work together

- Canon EOS Utility
- FREE
- Works well with Mac



# Software: Efficiency

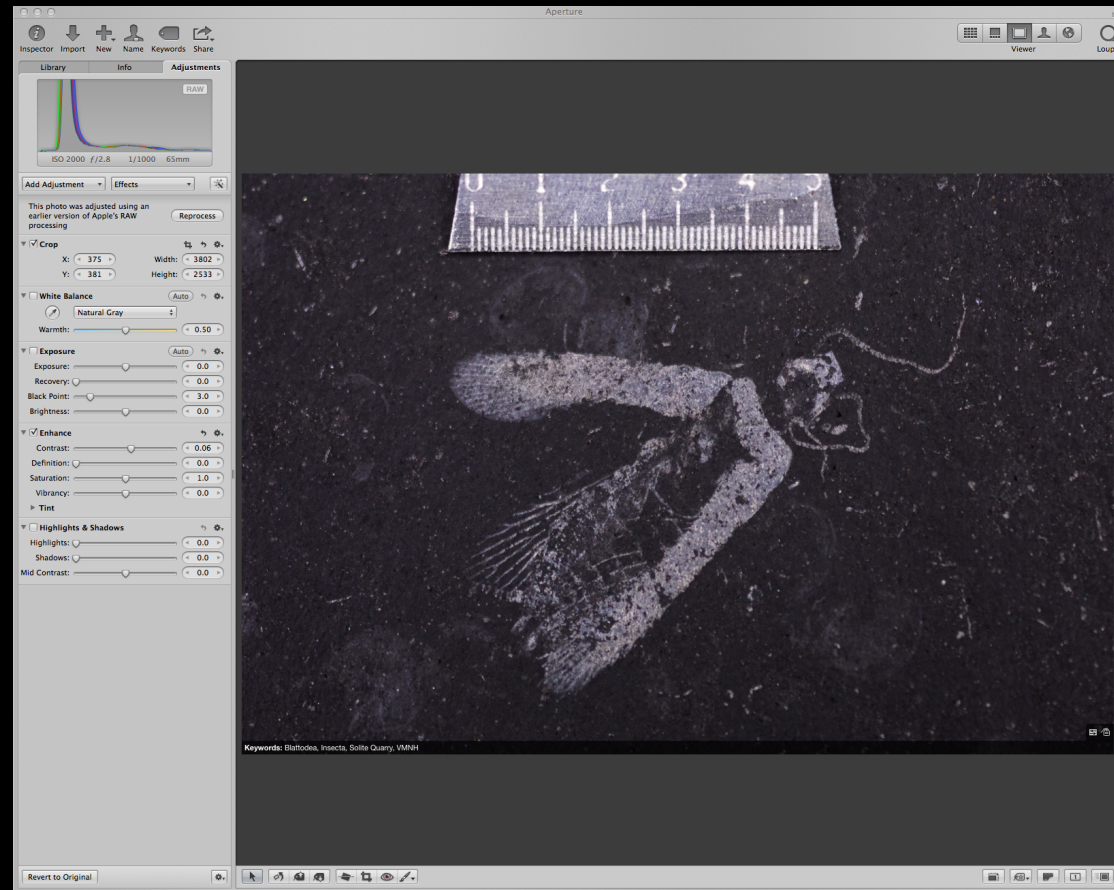
- Automator
- Workflow: execute multiple steps instantly
  - Direct import and export to specific folders
  - Assign keywords
- Comes standard on Macs





# Software: Organization

- Aperture
- Photo library
- Wide variety of editing tools



# Software: Database



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Developed By Sarah Timm

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# Forward Thinking

- Use with 3D specimens
- Larger Solite specimens
  - Reptiles
  - Fish
  - Plants
- Use a Canon 24-105 mm Zoom Lens
- Bidirectional light

