

Sierra Valley Geologic Model: 3D Viewer Instructions

Hi Everyone,

Below are the instructions for viewing the 3D geologic model on your own if you would like. I've set up several "scenes" (Leapfrog terminology for a grouping of display objects) that you can explore using the free viewer. Instructions are below. Note that **you will need a Windows operating system** (sorry Mac folks).

1. Go to <https://my.seequent.com/> and create a Seequent account.
2. Click on "Products" on the left hand side of the screen and then download **Leapfrog Works 2021.1** (click this link if you are signed in with your Seequent ID: <https://downloads.seequent.com/Leapfrog/LeapfrogSetup-2021.1.1.exe>)
3. Install the software
4. Open the Leapfrog Viewer file (https://www.dropbox.com/s/84xi57lp0bahqd1/svhsm_geology_20210617.lfview?dl=0). A browser window will/should open that defaults to the Leapfrog Viewer license. Select "Get started" at the bottom.
5. Explore! All model units are in meters. Some scenes use different vertical exaggerations, but you can see what that factor is in the lower right of the screen. Most of the time it's set to a factor of 5, but it may change when looking at the cross-section scenes.

Here's a few tips for navigating in Leapfrog:

- Left click to get information about an object (e.g., on a borehole to get information about that interval; on an fault to get the name, etc.)
- Left click and hold to rotate the view using the mouse
- Clicking the left and right mouse buttons at the same time will center the rotation point at the cursor location for all subsequent rotation actions (make sure you are clicking on an object or a surface though)
- Clicking and holding the left and right mouse buttons at the same time will pan the view when the mouse is moved
- You can make objects appear/disappear by clicking on the eye on the Shapes panel
- You can make objects more transparent using the slider bar on the Shapes panel
- Pressing "d" will orient you to plan view (best to do this before using the slicer so your cross section is vertical)
- Pressing "l" or "shift + l" (depends which side of the slider you are removing) will orient the view perpendicular to the slice you drew
- You can change between the scenes using the dropdown menu at the top left
- Tool explanations: <https://my.seequent.com/learning/2092/2093/2095>

As always, if you have any questions feel free to contact me.

Cheers,

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