The following will use the Dixie Fire package available as of 8/22/2021 as an example.

- Download data package
  - In web browser, go to (without the quotes) "https://ftp.wildfire.gov/public/incident_specific_data/calif_n/!CALFIRE/!2021_Incidents/CA-BTU-009205_Dixie/GIS/IncidentData/20210822/"
  - Download file "20210821_2022_Dixie_CA-BTU-009205_Master_ArcPro_2_7.gdb.zip"
  - Note the file is date stamped a day earlier than the folder it is in.

- Extract data package.
  - Right-click file you downloaded, choose "extract all...", click on "Extract".
  - A new sub-folder will be created in the same folder the zip file was located with the same name, "20210821_2022_Dixie_CA-BTU-009205_Master_ArcPro_2_7.gdb"

- Download and install QGIS from QGIS.ORG.

- Open QGIS Desktop app.
  - Click Project > New Project (or press CTRL-N)

- Add data to QGIS.
  - in QGIS, drag and drop the "20210821_2022_Dixie_CA-BTU-009205_Master_ArcPro_2_7.gdb" folder into the larger empty window inside QGIS.
  - A "Select Vector Layers to Add..." window will pop up. Everything is selected by default.
  - To get dozer lines, click on the layer named "Event_Line". Everything else will become unselected.
  - Click on OK.
  - You should now see lots of lines, over 3,000 of various lengths.
  - These lines represent finished dozer lines, planned doxer lines, contained lines, completed hand lines, planned hand lines, retardant drops, etc.

- Filter data to only show dozer lines.
  - In lower left window, right-click on the layer, should only be one listed for this example, and choose "Filter..."
  - Now you can either:
  - Double-click "Feature Category" to add it to the Filter Expression at the bottom.
  - Double-click the equal (=) sign to add it to the Filter Expression.
  - Click "FeatureCategory" again and click on the All button in the Values area on the right.

    - A list of values used in this data set will show.
    - Double-click "Completed Dozer Lines".
    - Click OK.
    - Or just type the filter expression:
    - In the box for Provider Specific Filter Expression, type (with quotes): "FeatureCategory" = 'Completed Dozer Line'
    - Click OK.

- Export the filtered results.
    - Right-click the layer under Layers.
    - Choose "Export" > "Save Features As..."
    - Next to File name, Click on the 3 dots to choose a folder to save the file and type a file name.
    - At the bottom, check the "Add saved file to map" if you want to see the filtered results as its own layer.
    - Click OK.

- Next a heads up. Working with this much data made my browser very sluggish and sometimes say the page was not responding. The page even crashed occasionally.

- Import the results into CalTopo.
    - Make an account in Caltopo if you haven't already and log into it within caltopo page.
    - Click on "Import" under "Map Objects" at upper left.
    - Click on "Choose Files".
    - Browse to the KML file you exported from QGIS, slect it and choose "Open". It may take a minute or more before the next "Import Data" window appears.
    - Click on Import. Expect some sort of delay.
    - Give themap a name next to "Map Name". Select whatever sharing option you want.
    - Click "Save".
    - Your dozer lines will appear in CalTopo as thin red lines by default.

- Change how lines appear in CalTopo.
    - At the left where it says Lines and Polygons, scroll allll the way to the end of the list.
    - Click on Bulk Ops. Wait for next window to appear, can take a while.
    - Click on the first line then scroll down the the end and hold shift while clicking on the last line.
    - Be really patient while it chews on what you told it to do (select every line in the list).
    - When its doen it will highlight every row and say xxxx rows selected. Mine said 2,351 rows.
    - At the bottom click on "Change Attributes".

- Click on "Line Weight and change it. I used 2.
- Click on Color and change it. I used purple because it stands out against the black and red lines on many maps.
- Click on Style.
- Now pay attention!!!
- If you choose the typical XXXXX used for dozer lines, CalTopo may run really slow as it draws all those X's when you scroll or zoon the map.
- Plus those x's really cover up other details on the map.
- I chose a solid line because CalTopo can draw that a lot faster. Along with the thicker purple it shows really well and doesn't cover up other stuff.
- But feel free to play with the options :)
- Click on "Update".
- The change is slow. You can see the lines change from thin red to whatever you chose one by one on the map.