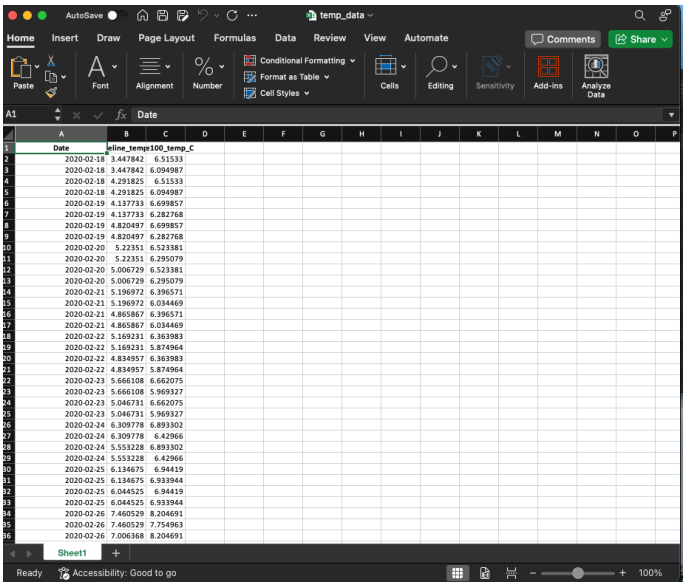
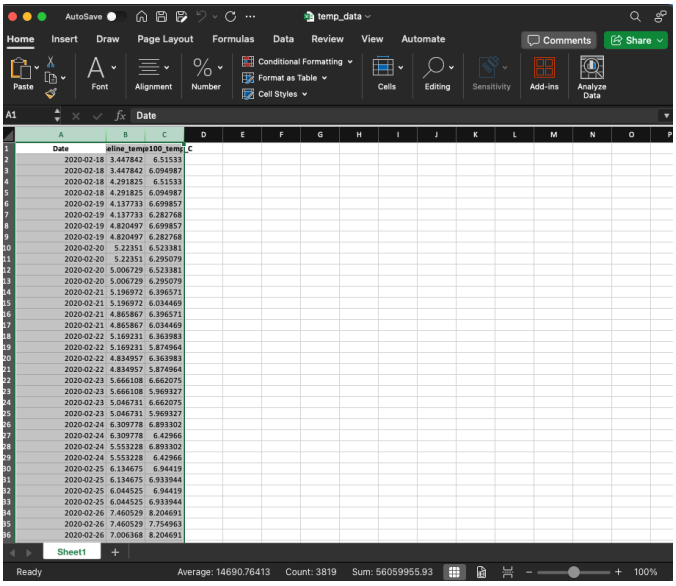
How to plot time series of surface water temperature data:

1. Download and save temp_data.xlsx from dashboard
2. Open excel → click *File* → *Open* → locate temp_data.xlsx → *Open*

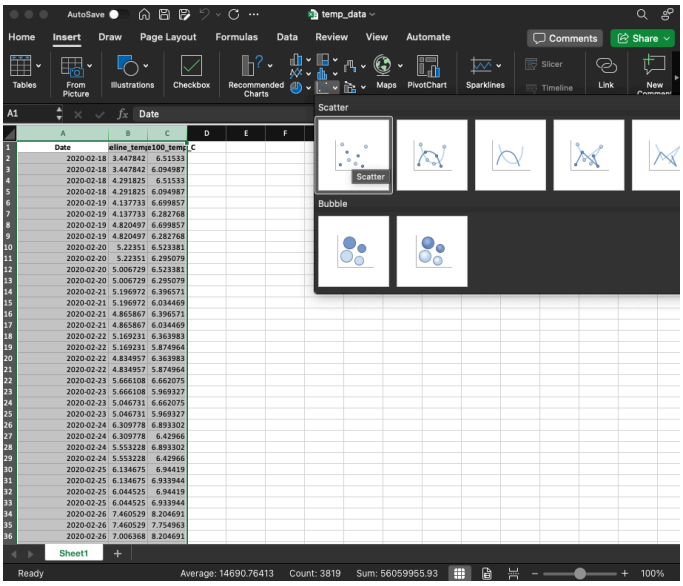


NOTE: Column A has the Date associated with each surface water temperature (columns B and C). The surface water temperatures are based on if the watershed is completely forested, as normal (baseline_temp_C; column B) and if the watershed was burned at high intensity (fire100_temp_C; column C).

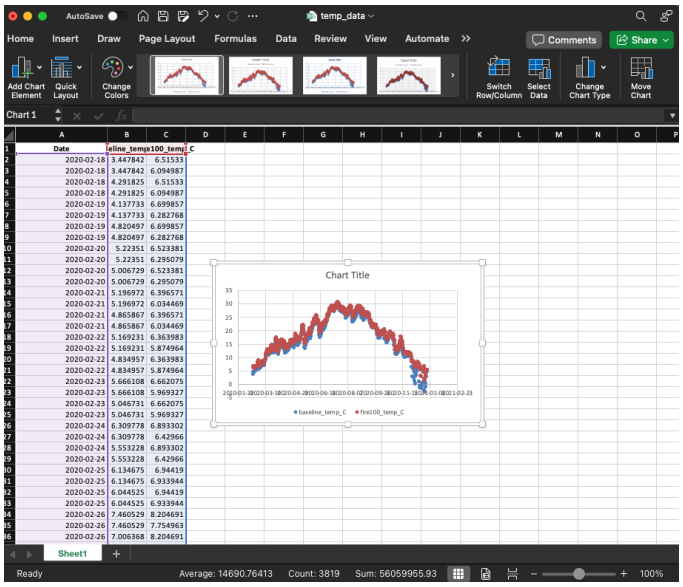
3. Click on column A → while holding shift and click column C (this should highlight the entire dataset)



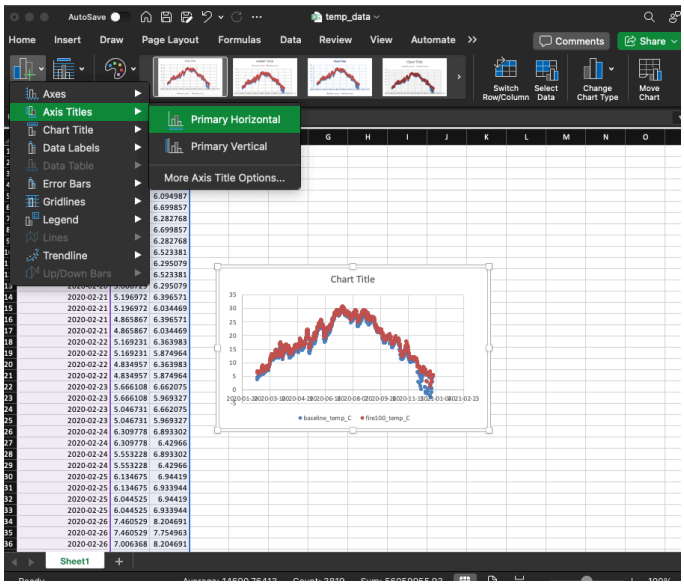
4. Click *Insert* at the top → *X Y (Scatter)*→ *Scatter*



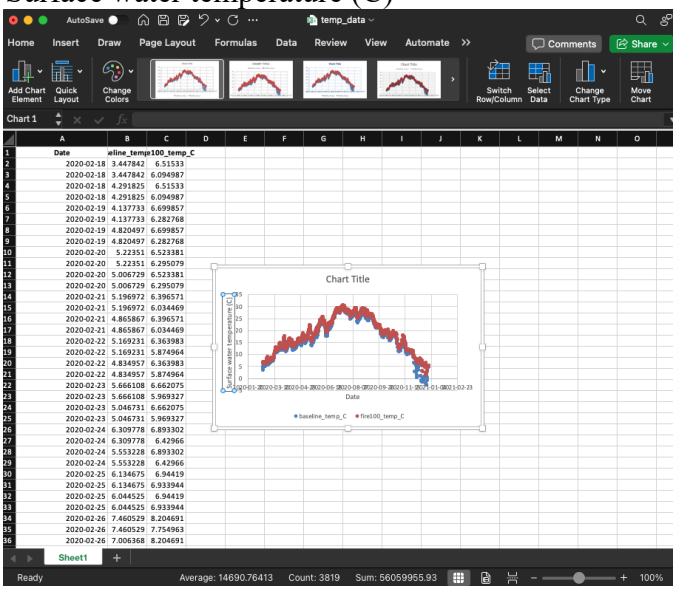
5. Something like this should appear with column A (Date) on the x-axis and columns B and C (baseline and fire100 temperatures) plotted separately on the y-axis:



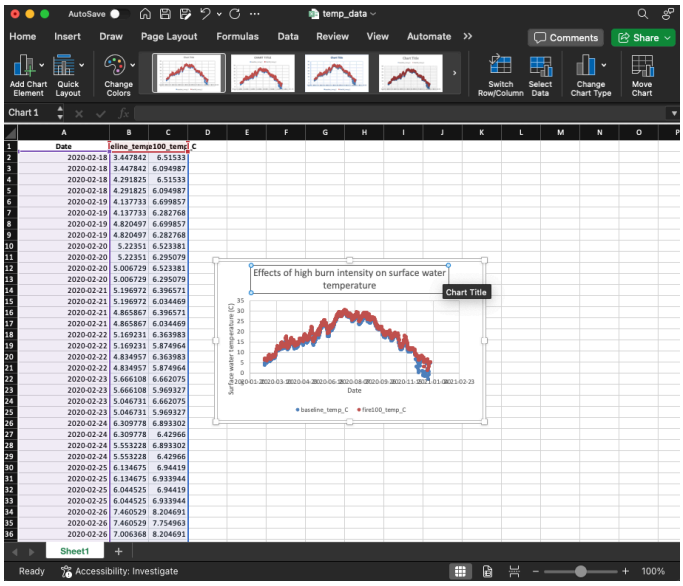
6. Add axes
    a. *Chart design → Add chart element → Axes Titles → Primary Horizontal*
    b. *Chart design → Add chart element → Axes Titles → Primary Vertical*



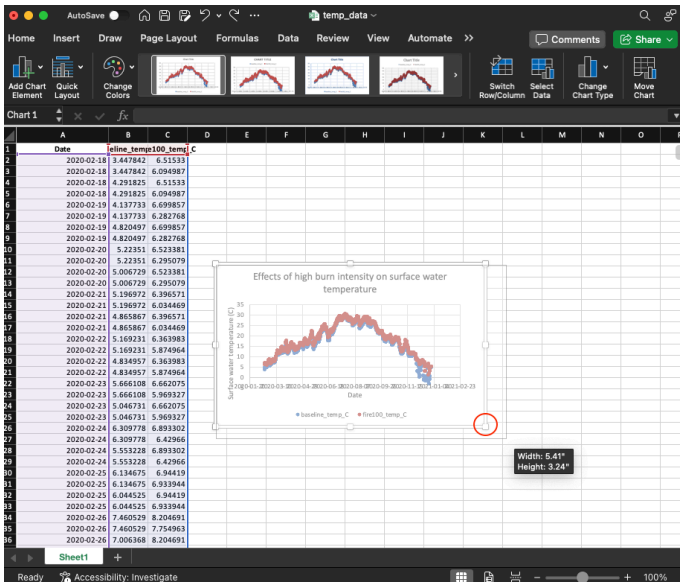
7. Change axis names by clicking on text boxes by axes
    a. X axis: Date
    b. Y axis: Surface water temperature (C)



8. Change chart title by clicking on the text box
    a. Effects of high burn intensity on surface water temperature



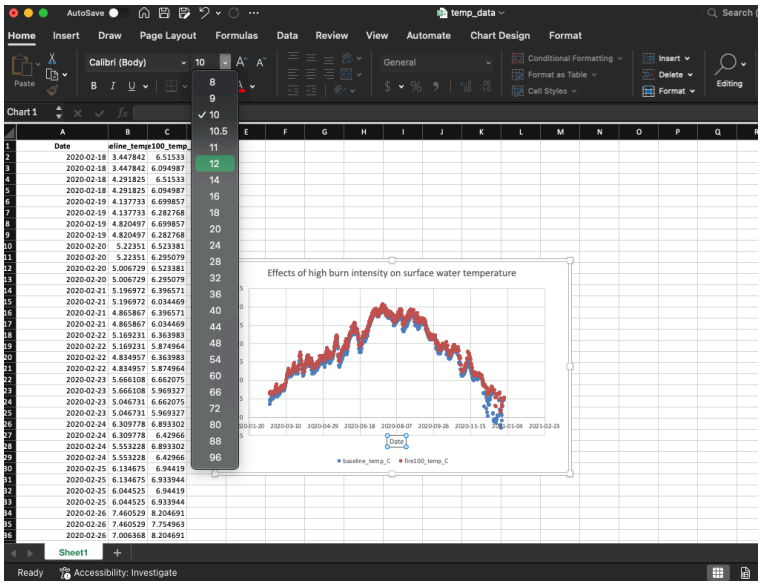
9. Make the plot bigger
    a. Click and drag a corner of the plot (red circle)



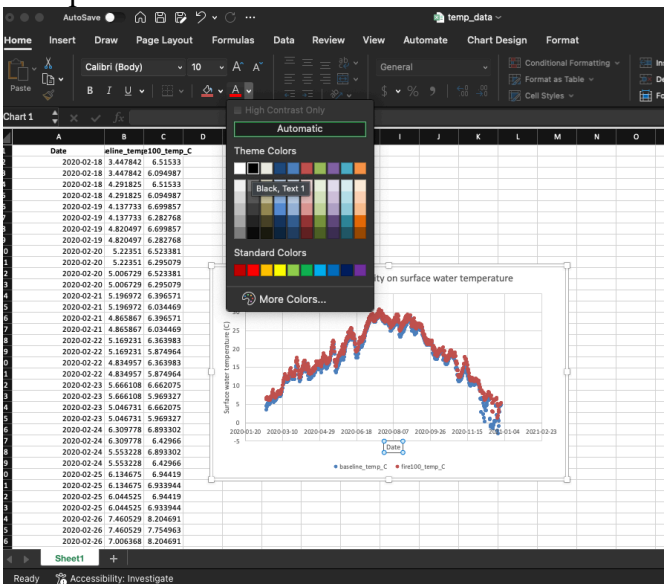
BONUS ASTHETICS:

Font color and size

1. Change labels color and size (works with axes labels and text and legends)
    a. Click on text box of label you want to change
    b. Along the top panel click Home
    c. Click the dropdown next to the current font size and choose new size

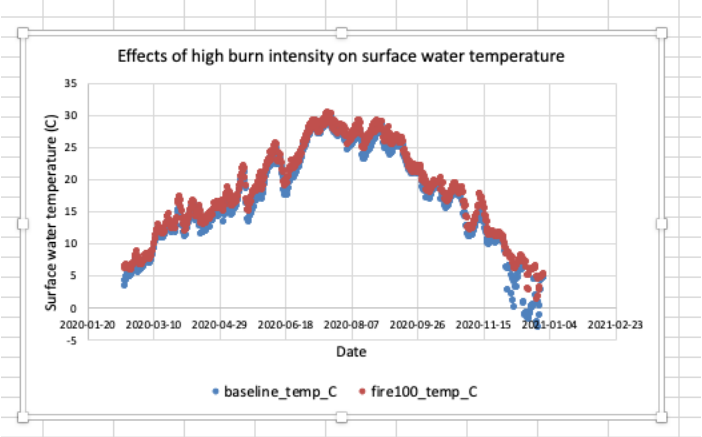


d. Click the drop down next to the A with a color under it and choose new color



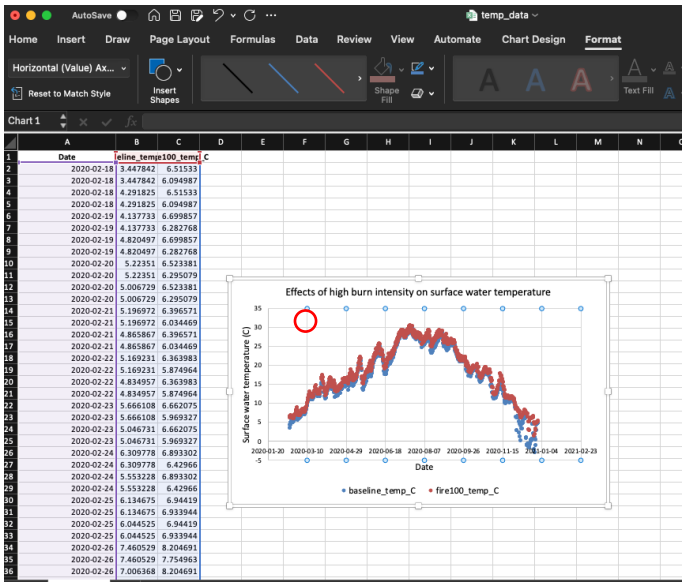
2. Repeat for other text boxes

3. After changing the axes label and legend font size to 12 and all of the text boxes to black text, you'll get something like this:

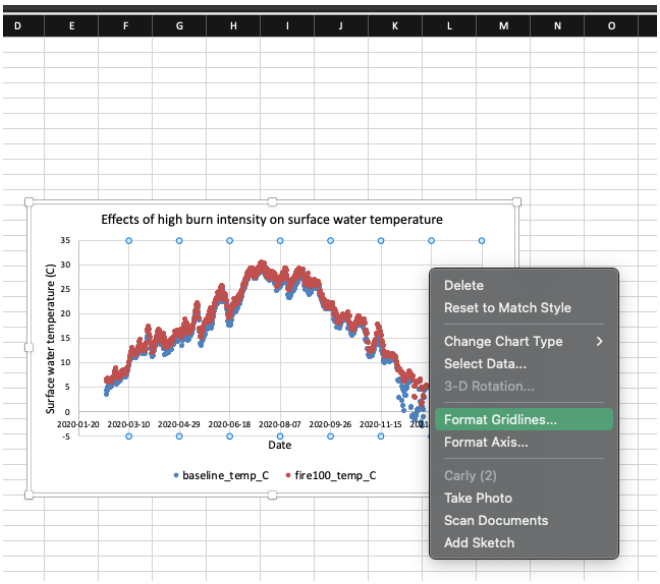


Gridlines

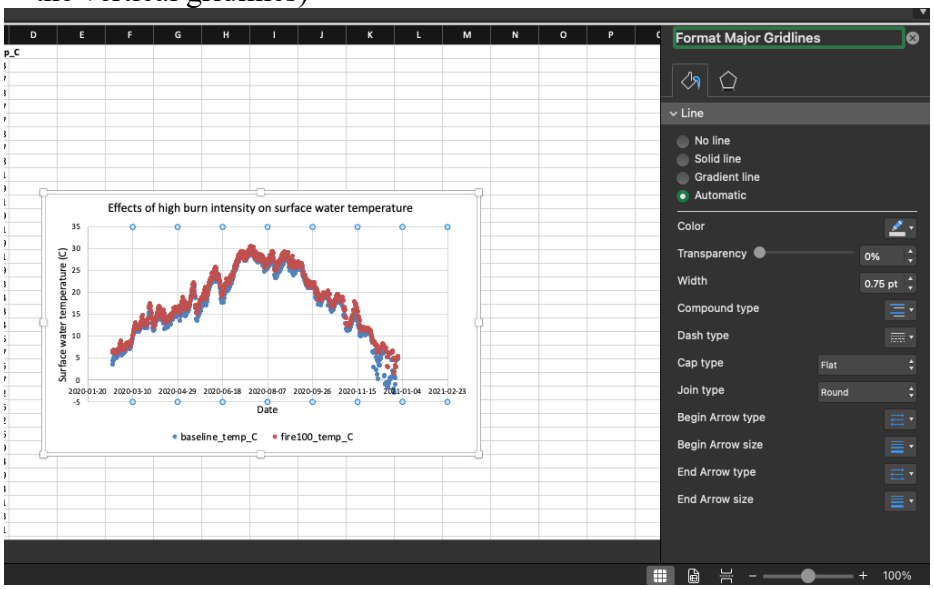
1. Change / get rid of gridlines
    a. Click on either the vertical or horizontal gridline (example click where red circle is)
    b. Blue dots will appear at the ends of the gridlines you selected



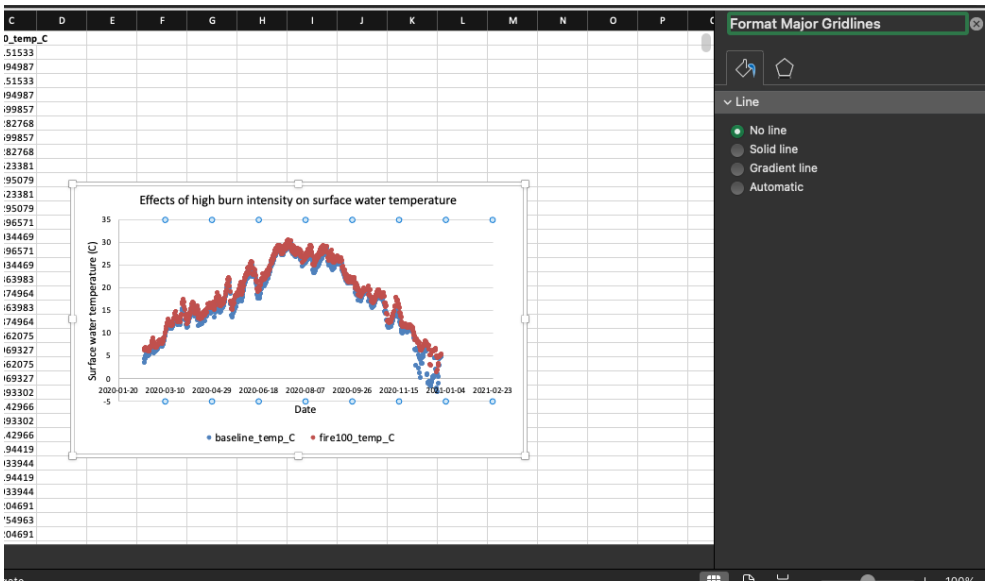
    c. Right click the same spot, making sure the blue dots don't go away
    d. Click Format Gridlines…



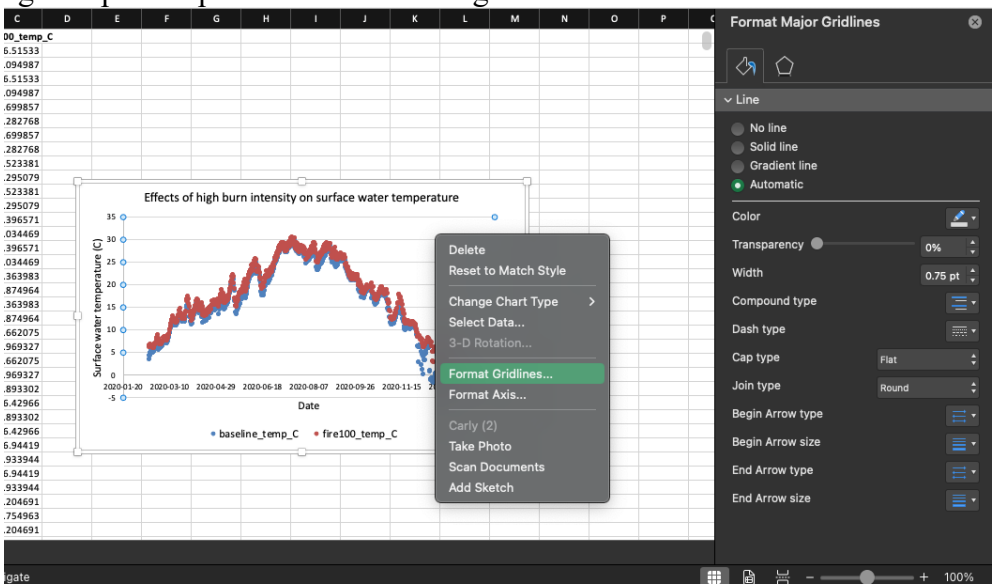
e. A side panel will show up where you can edit the gridline (this example is editing the vertical gridlines)

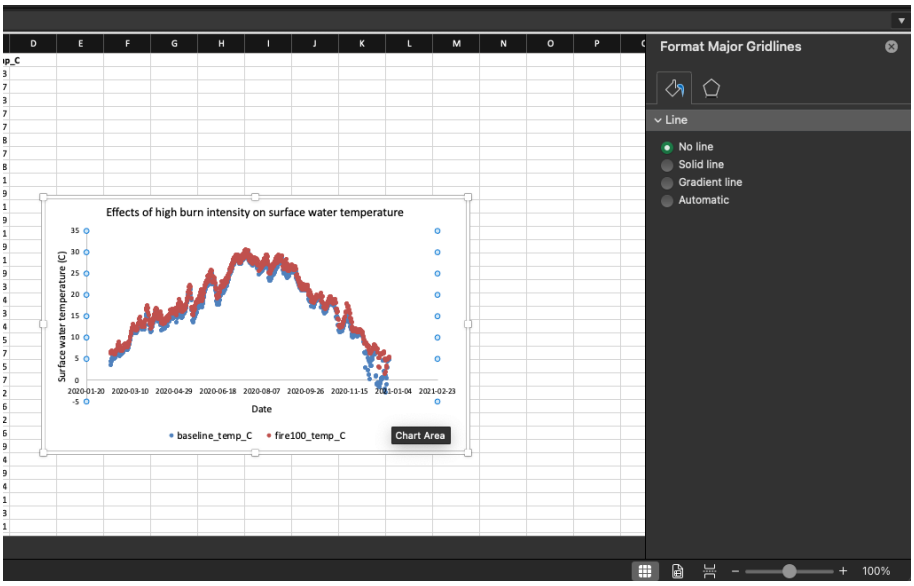


f. To get rid of the selected gridlines, click No line



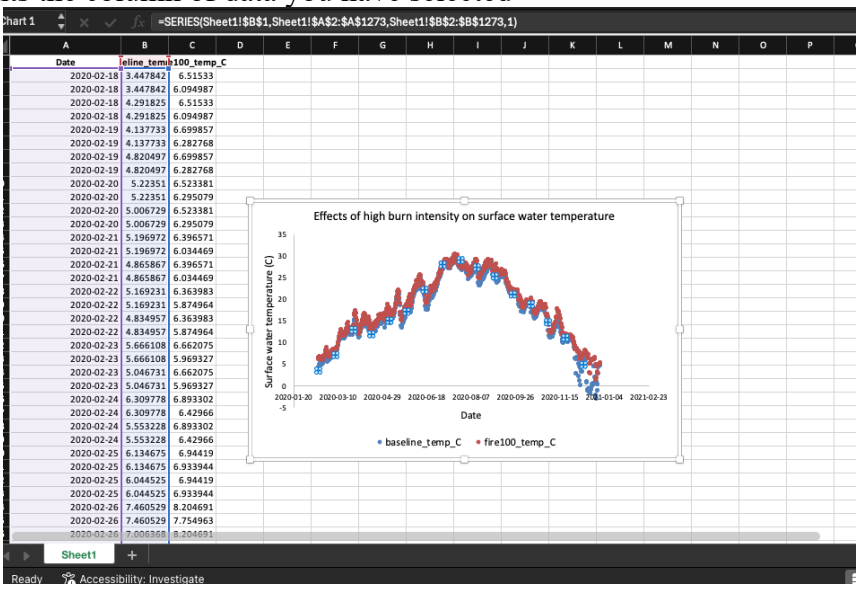
g. Repeat steps to delete the other gridlines



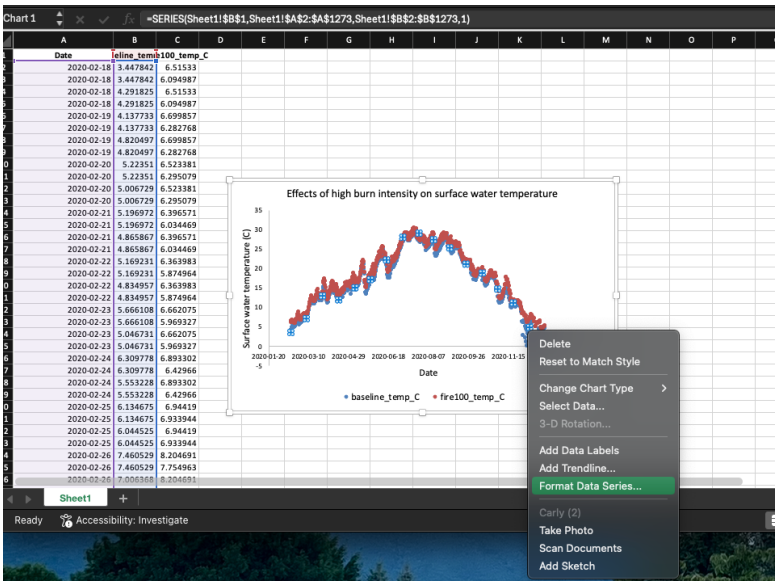


Change color and size of data points

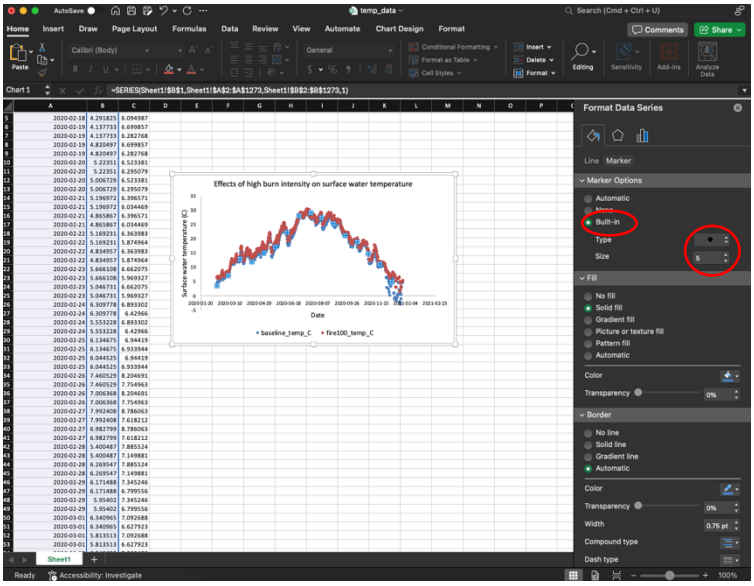
1. Select one of the points on the plot. This will highlight the entire data series. Note: it highlights the column of data you have selected



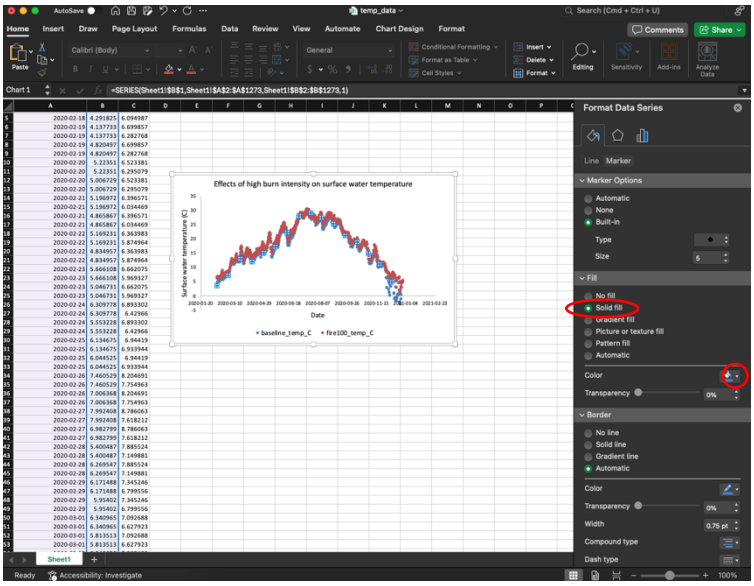
2. Right click on data point, making sure data series stays highlighted and click Format Data Series…



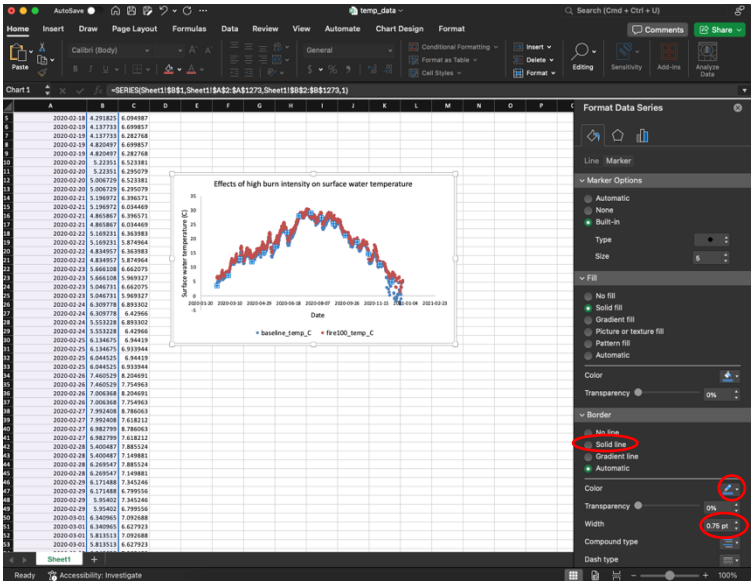
3. Side panel should show up that says Format Data Series
4. Click Marker
    a. Marker Options allows you to change Type and Size of marker by selecting Built-in



    b. Fill allows you to change the color of the marker by selecting drop down next to paint can icon

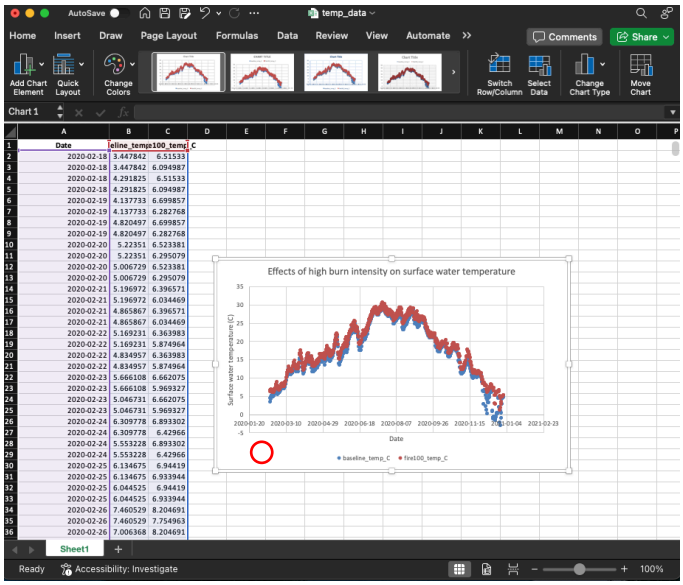


c. Border allows you to change the border color, width, etc. of the marker by selecting drop down next to pencil icon

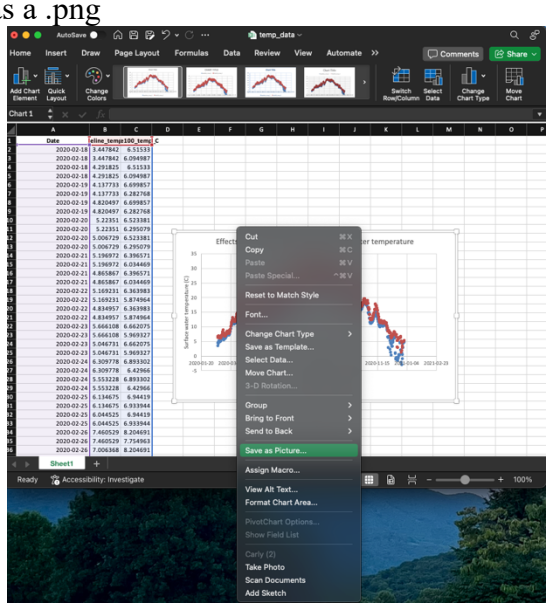


Export plot

1. Right click on white space surrounding plot (example shown by clicking where red circle is)



2. Click Save as Picture…
3. Save on computer as a .png



4. OR you can Copy and Paste the plot into a word document