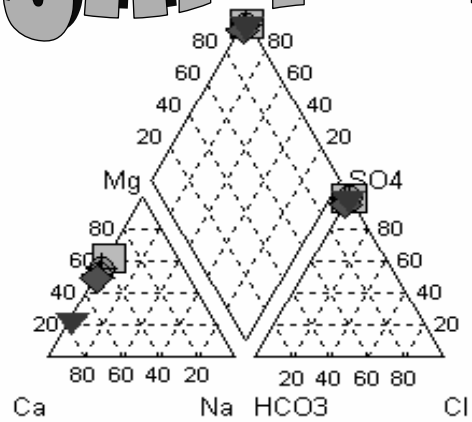
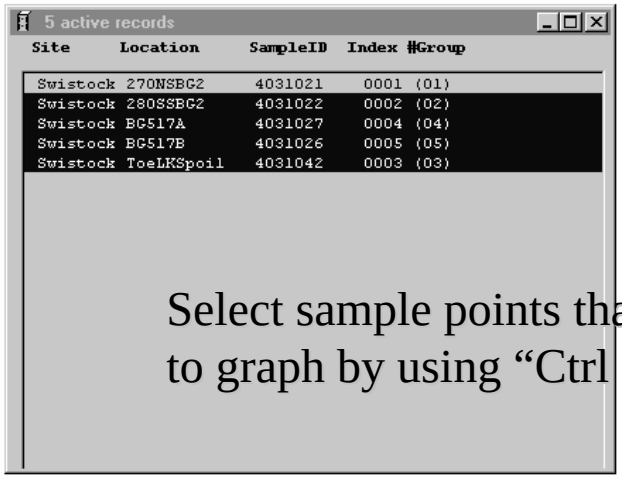
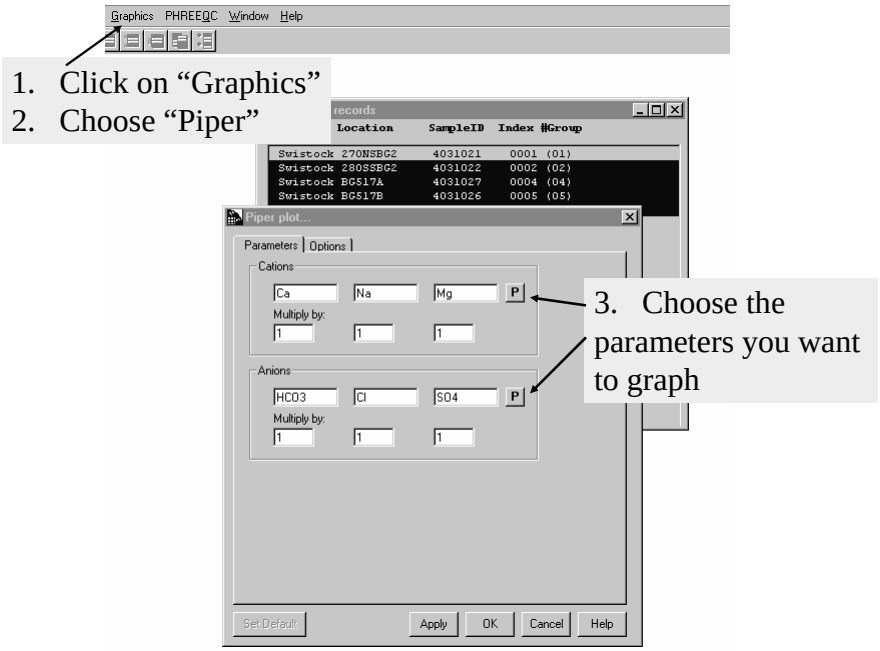
AquaChem Plotting

Doing A Piper Plot

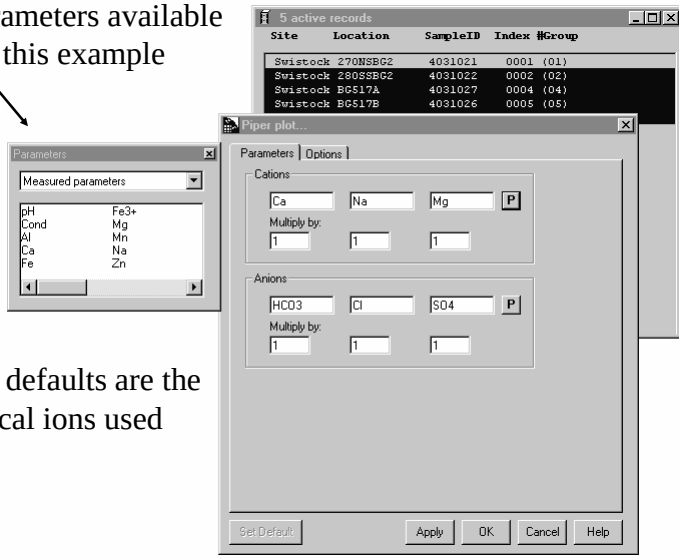




Select sample points that you want to graph by using “Ctrl Enter”

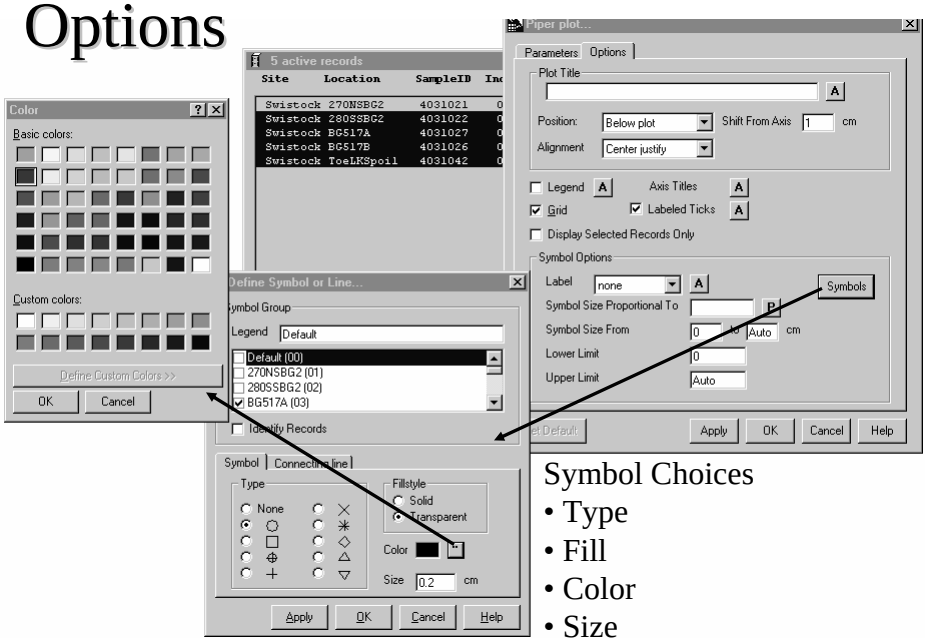


Parameters available for this example

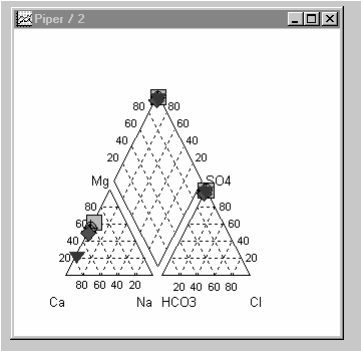


The defaults are the typical ions used

Options



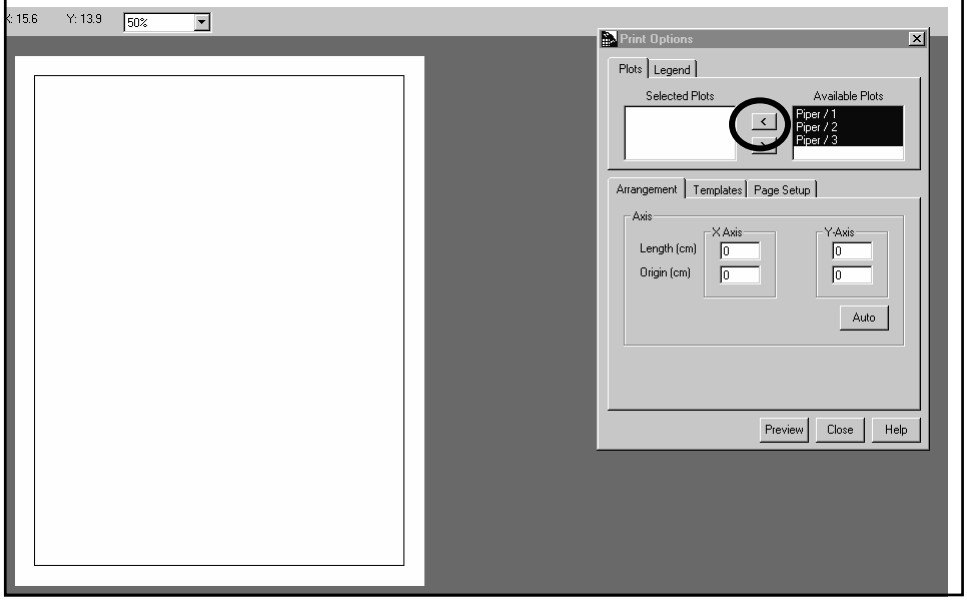
Symbol Choices
- Type
- Fill
- Color
- Size



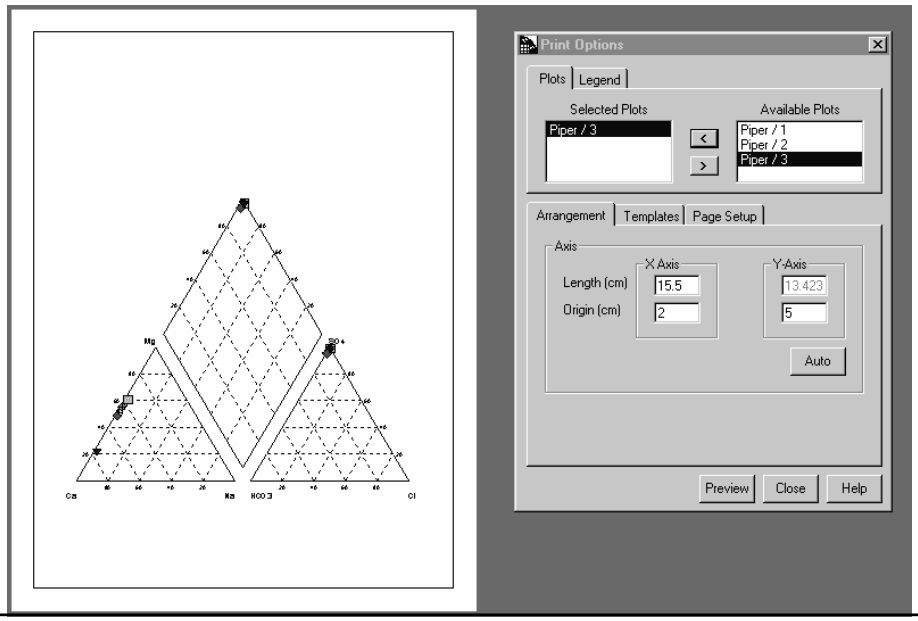
After you've clicked "OK" you'll get a screen plot of your data. The red triangle is red because it is highlighted on the "Active Records" screen.

This is the step before printing/plotting

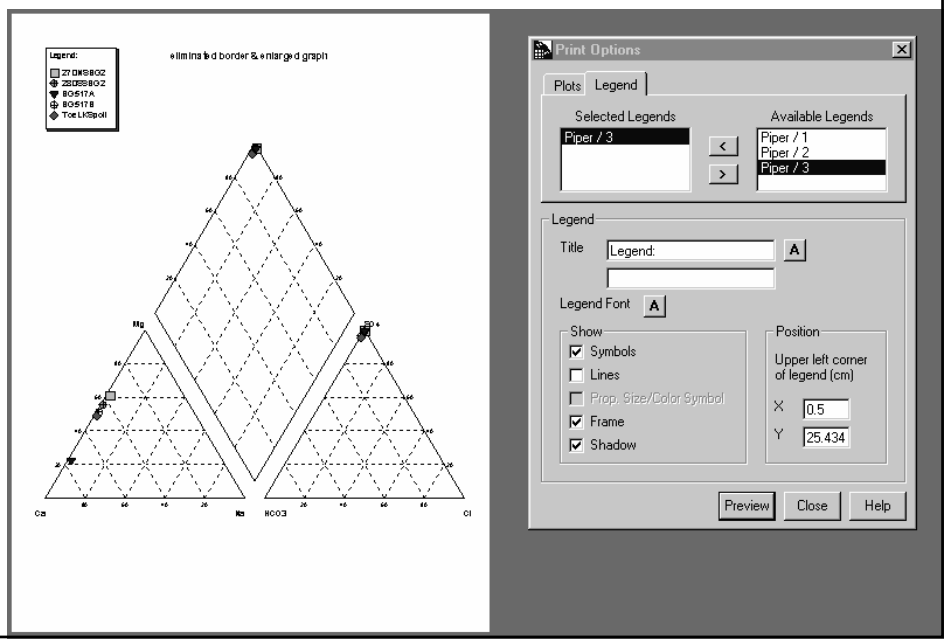
Go to **File**, then **Print**. The screens below will appear.
Choose the graph you want to plot by clicking on the arrow (in this example three different plots have been selected.



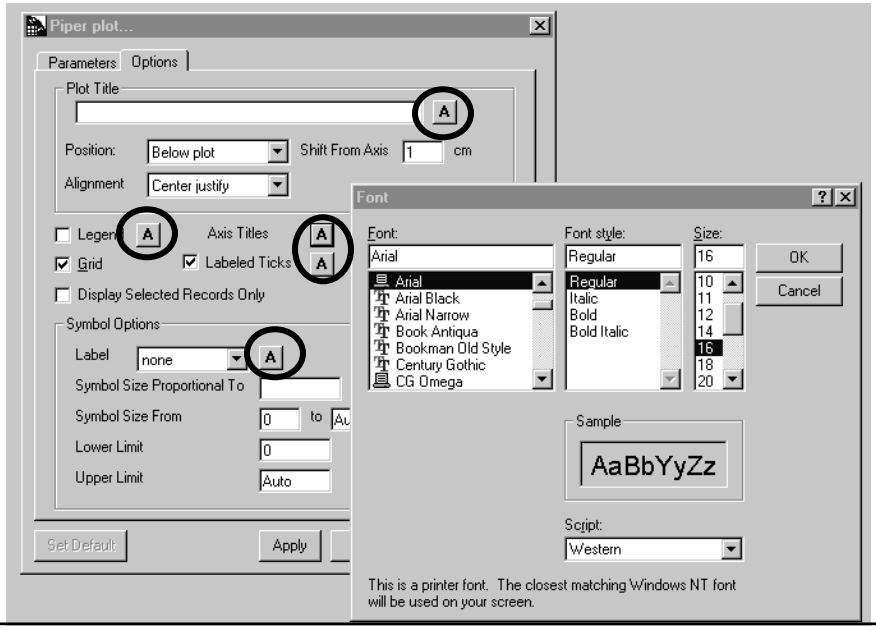
Select one of the graphs. The box on the left shows how the graph will look when plotted. You can adjust size & location.



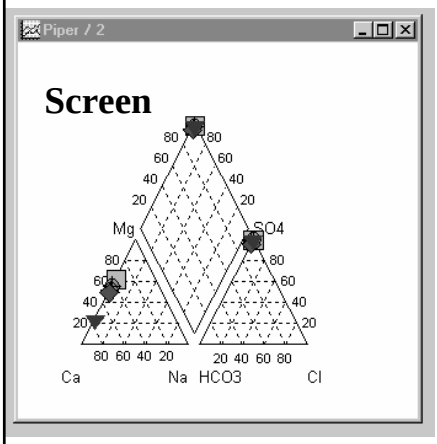
You can add a **Legend** & adjust its location, font size, and delete border.

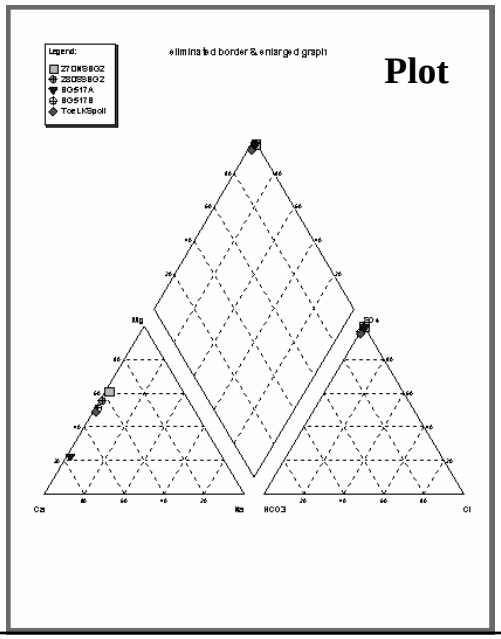


Adjusting fonts: click on A



What you see on the screen may not be what plots!

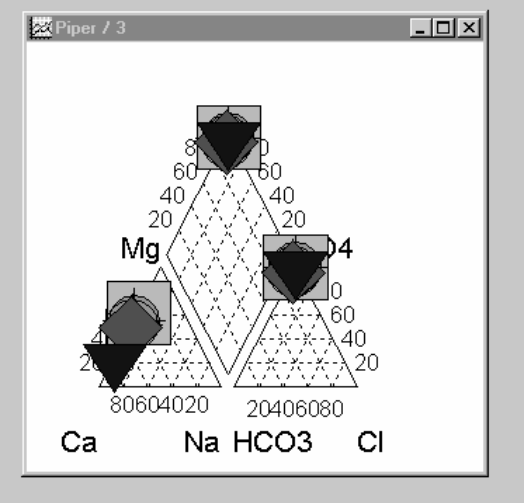




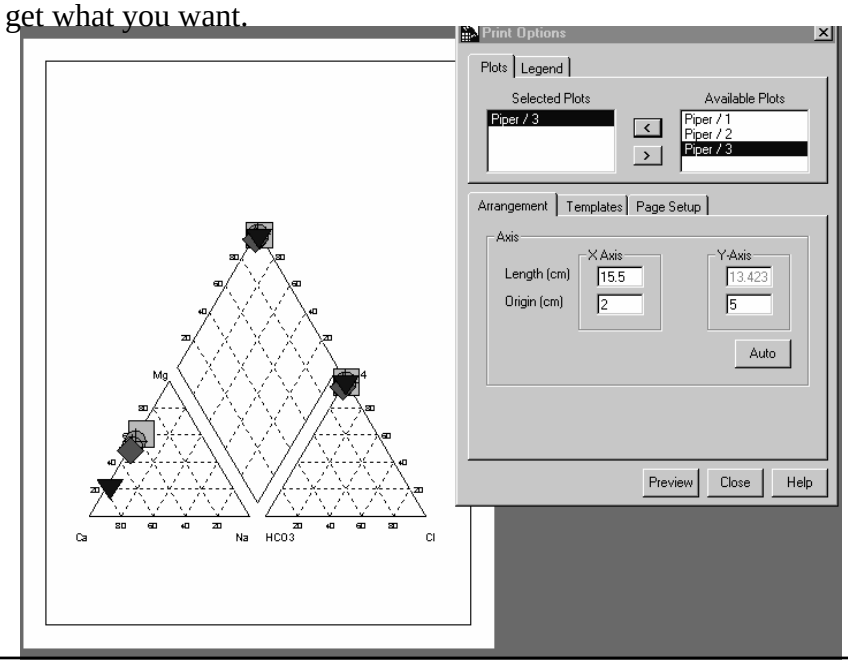
Note dinky font size & symbols on **Plot** page

What to do?????!!!

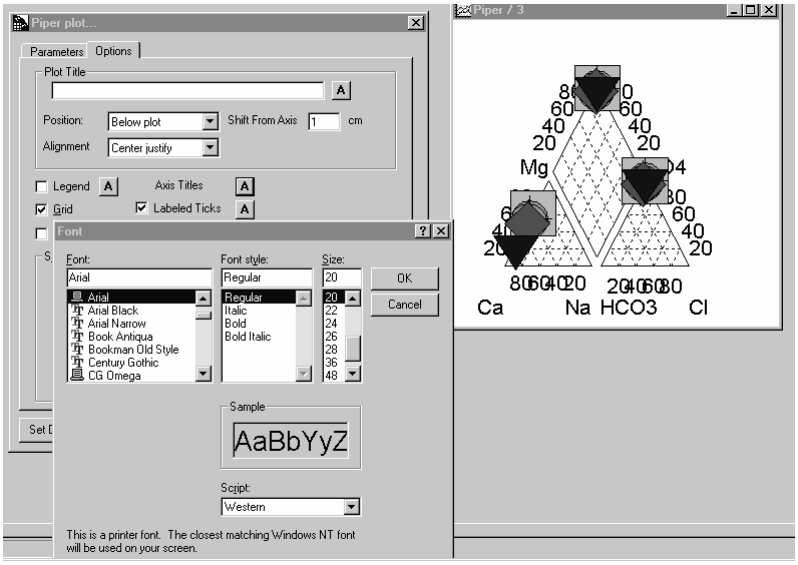
Go back & recreate the graph & Supersize the symbols, & axis & tick fonts.



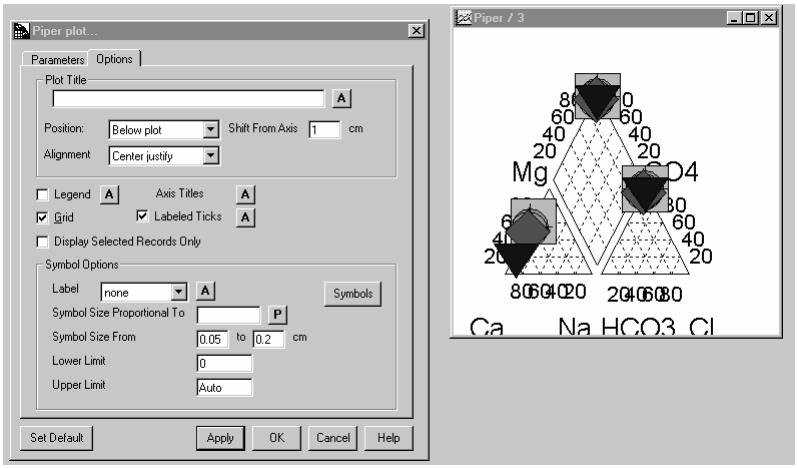
Now it will look like this. Play with creating graphs until you get what you want.



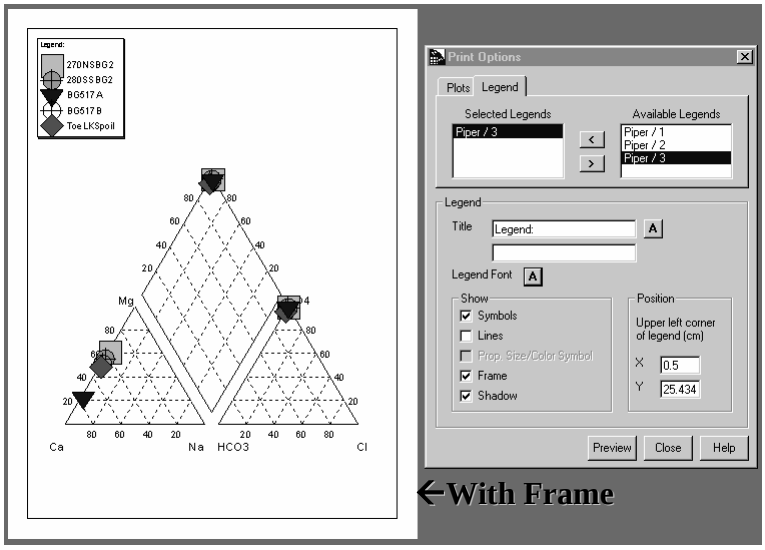
Adjust font for “ticks” (it may look wacky on screen)



Adjust font for “Axis Titles” (again, it may look wacky on screen)

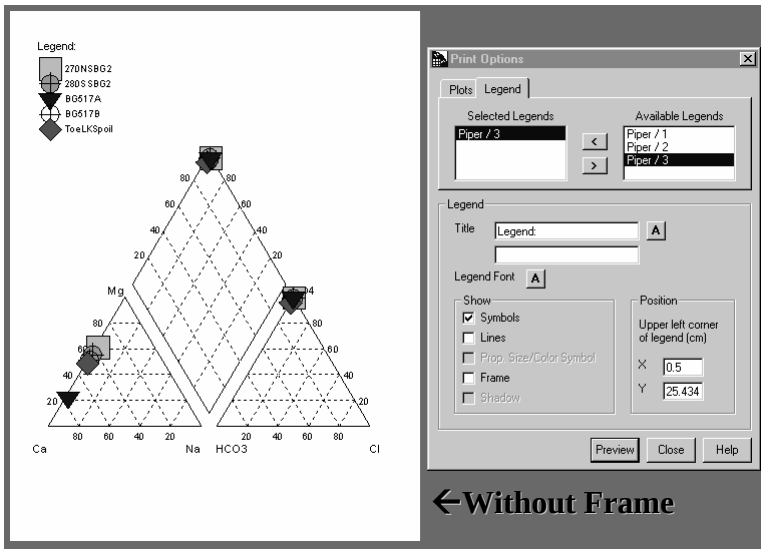


Revised Piper Plot



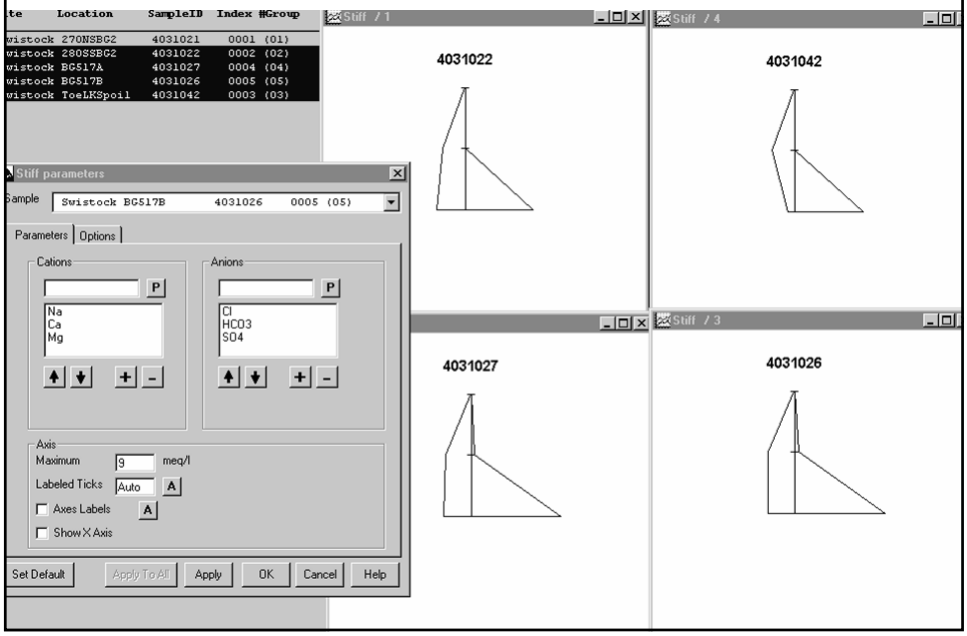
←With Frame

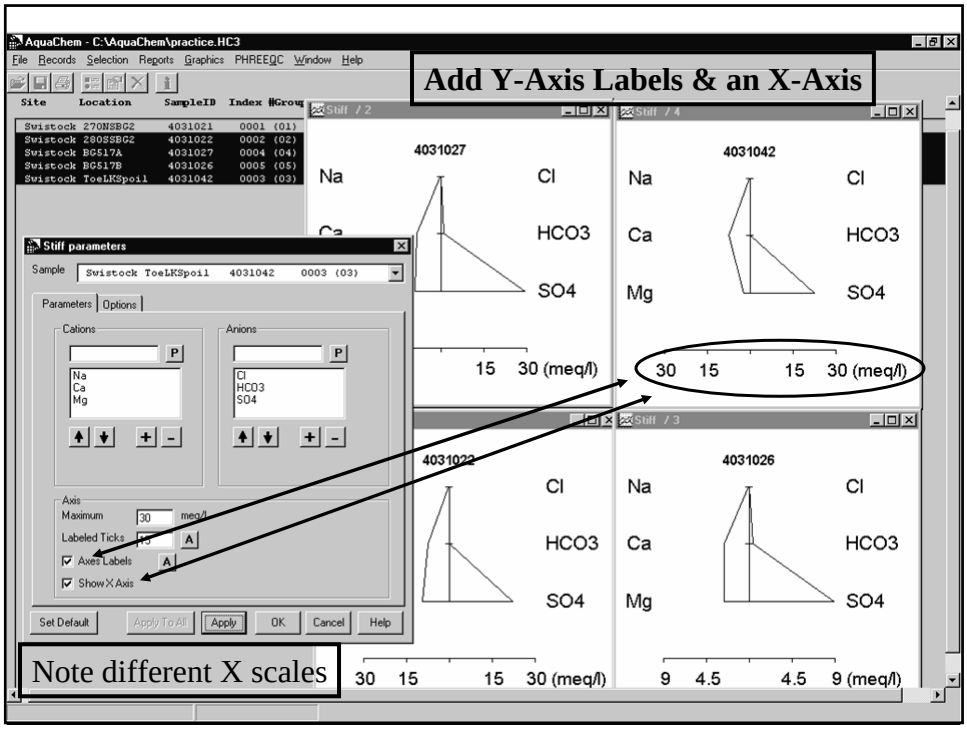
If you like you can delete the "frames"

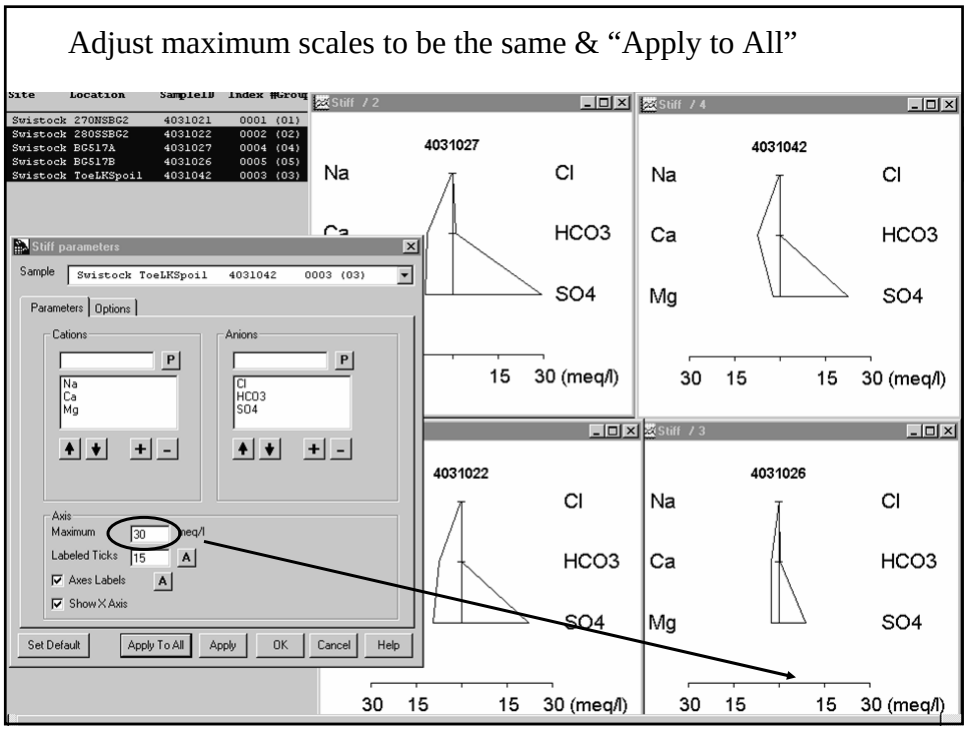


←Without Frame

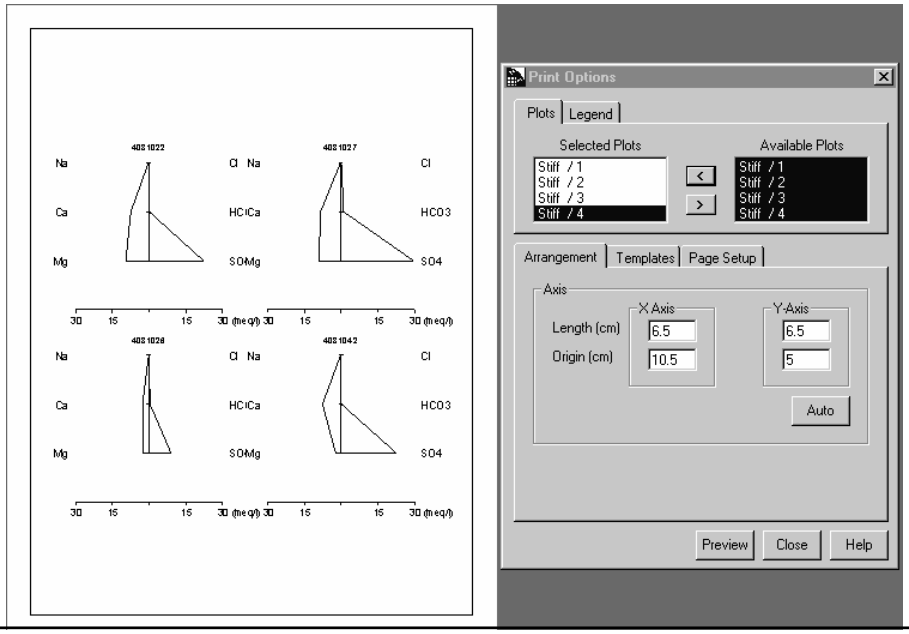
The “NO FRILLS” Stiff Diagram



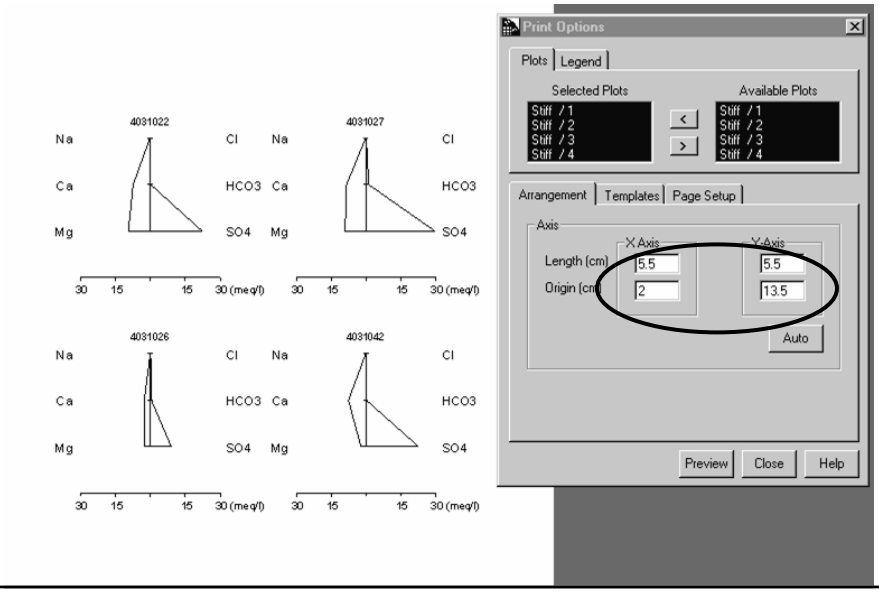

AquaChem - C:\AquaChem\practice.HC3
File Records Selection Reports Graphics PHREEQC Window Help
Add Y-Axis Labels & an X-Axis
Stiff parameters
Sample Swistock ToeLKSpoil 4031042 0003 (03)
Parameters Options
Cations
Anions
Axis
Maximum 30 meq/l
Labeled Ticks 15
Axes Labels
Show X Axis
Set Default Apply To All Apply OK Cancel Help
4031027
4031042
4031022
4031026
Na Ca Mg
Cl HCO3 SO4
30 15 15 30 (meq/l)
9 4.5 4.5 9 (meq/l)
Note different X scales


Adjust maximum scales to be the same & "Apply to All"
Stiff parameters
Sample Swistock ToeLKSpoil 4031042 0003 (03)
Parameters Options
Cations
Anions
Axis
Maximum 30 meq/l
Labeled Ticks 15
Axes Labels
Show X Axis
Set Default Apply To All Apply OK Cancel Help
4031027
4031042
4031022
4031026
Na Ca Mg
Cl HCO3 SO4
30 15 15 30 (meq/l)

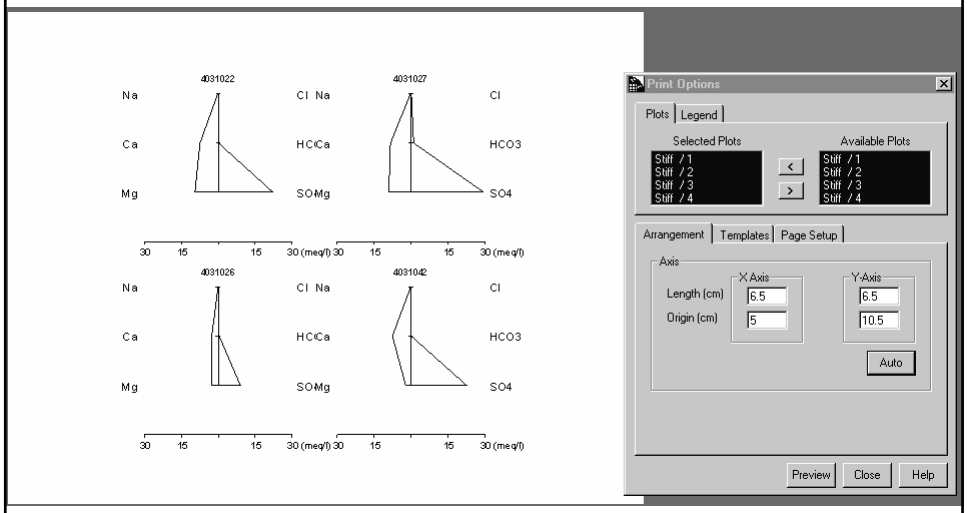
Printing the Stiffs: Note overlap.



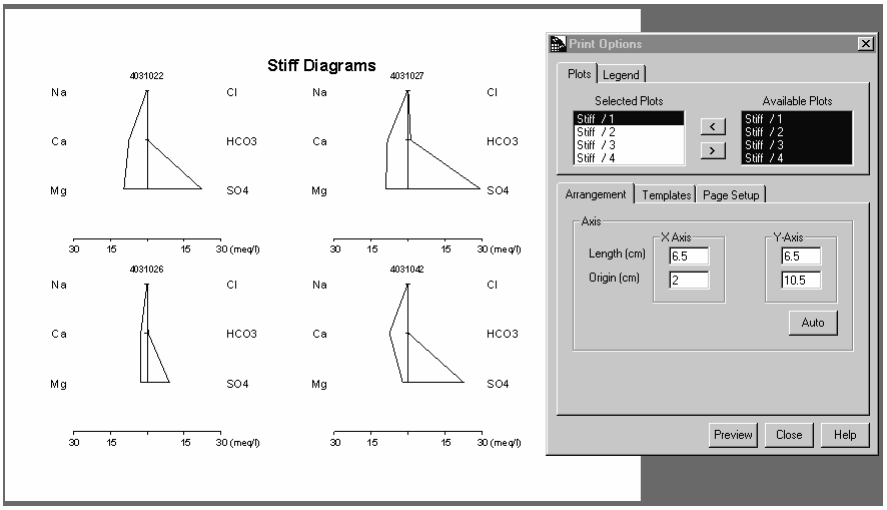
Fixing Overlap: Fiddle with axis length & origin



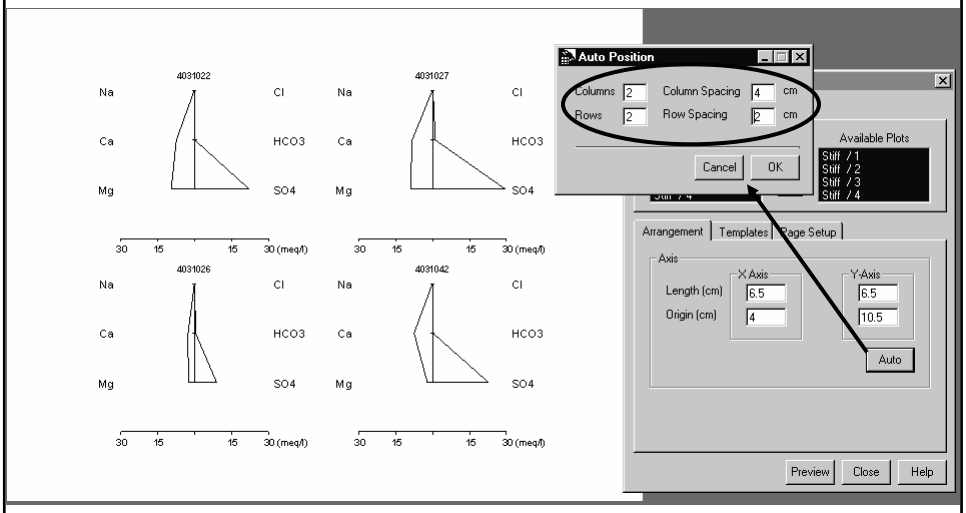
Change to landscape (still overlap!)

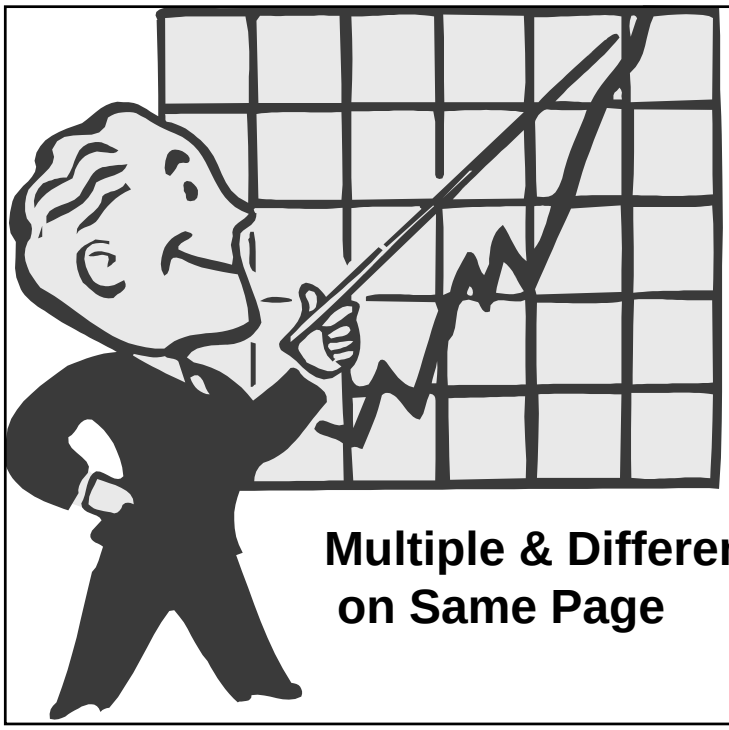


Fiddle with axis length & origin



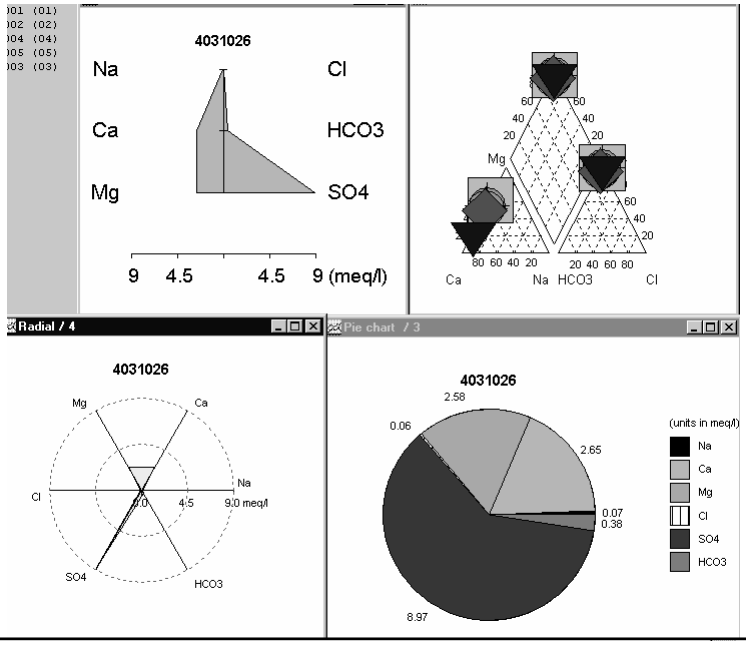
To Control Position of Plots Use “Auto Position.”



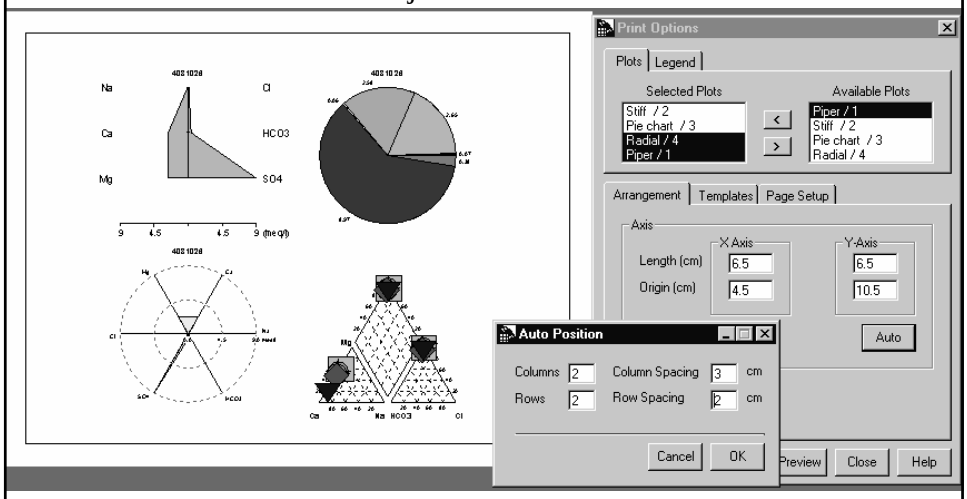


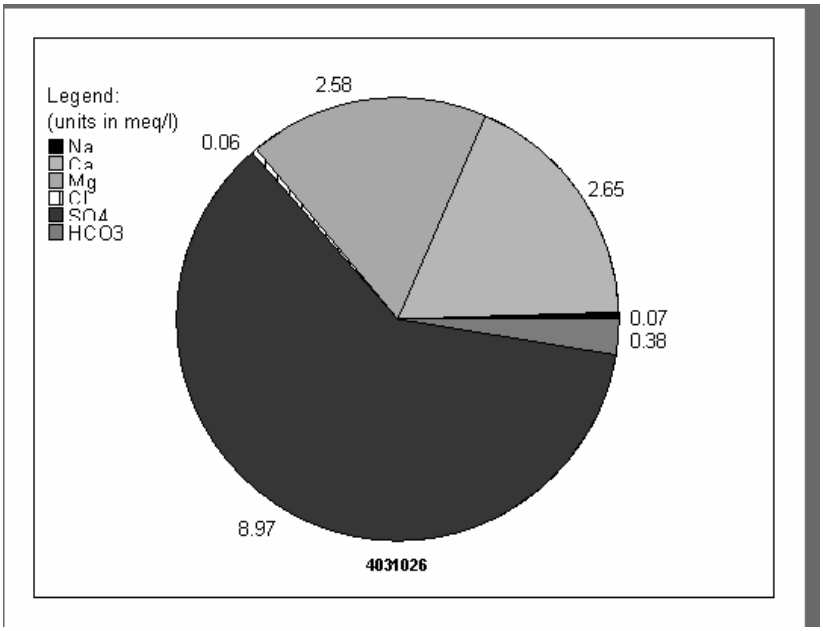
Multiple & Different Charts on Same Page

Open up the graphs you want to print (seen below is screen image).

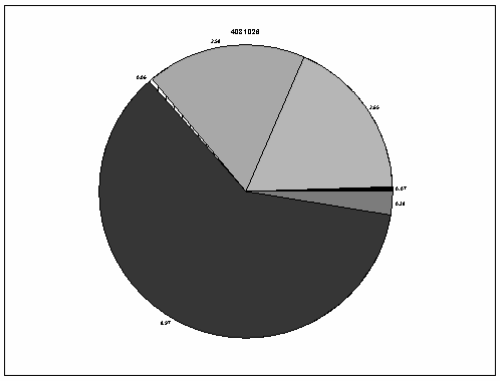


Use **Auto Position** to adjust location.




Legend:
(units in meq/l)
Na
Ca
Mg
Cl
SO4
HCO3
2.58
0.06
2.65
0.07
0.38
8.97
4031026

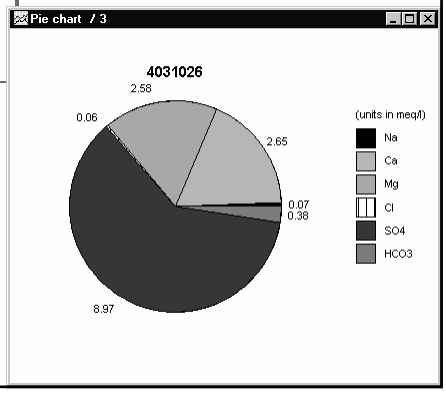
Pie Charts



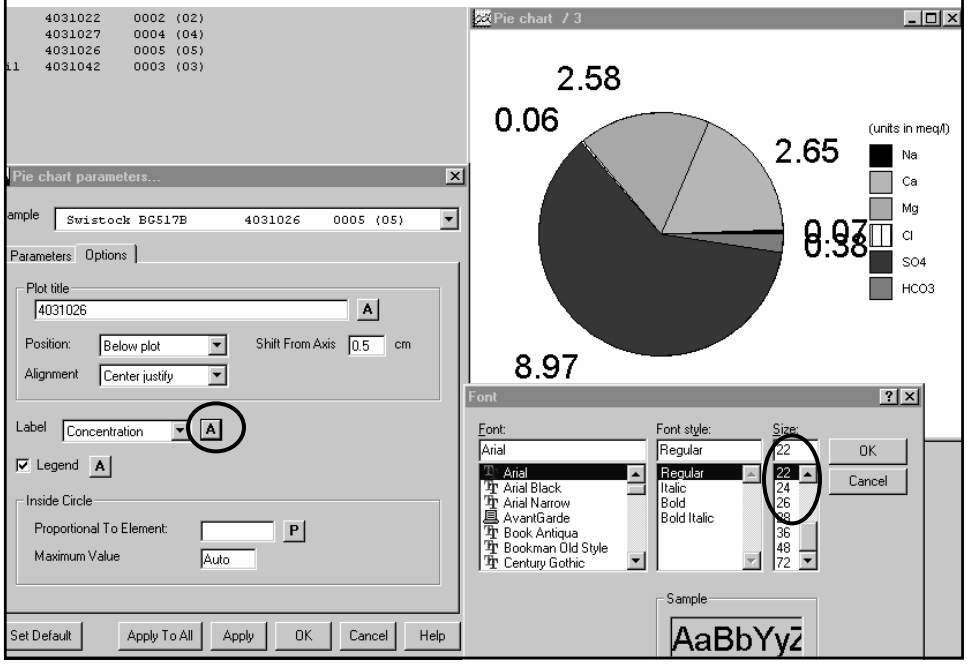
Original Print Output

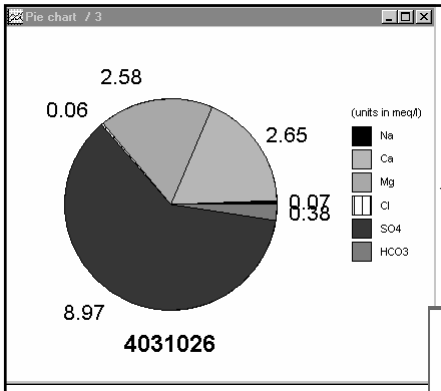
🡸 In print mode

On the screen ➔



To adjust font go back to screen version & change font size

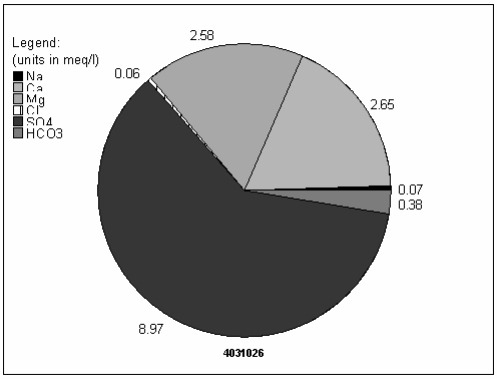




Adjusted Print Output

← On the screen

In print mode →



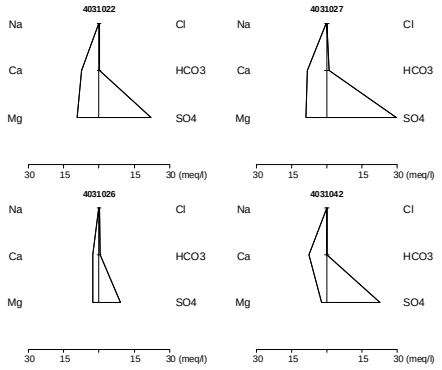
Note that font on print version is smaller than screen version

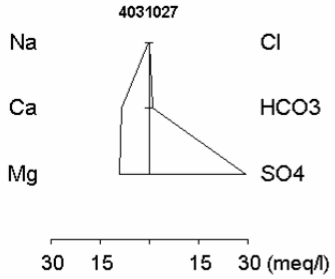
Exporting Data

Exporting & Copying Files

Windows Metafile
(cleanest & only way to
Copy from the "print mode"

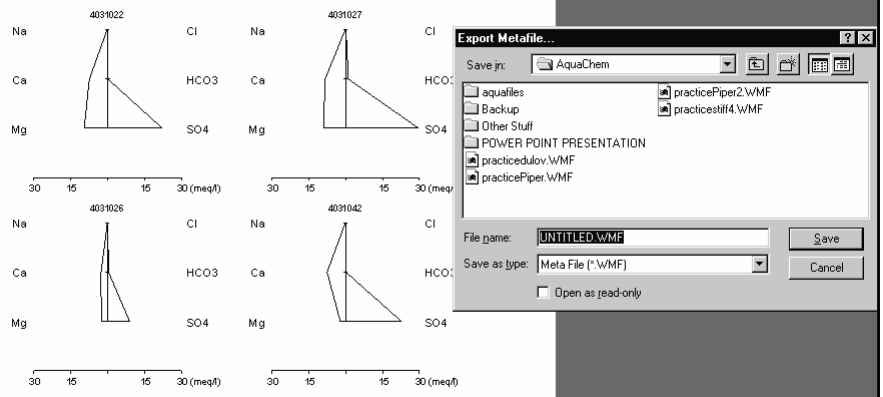
Edit "Copy" function
During graph mode



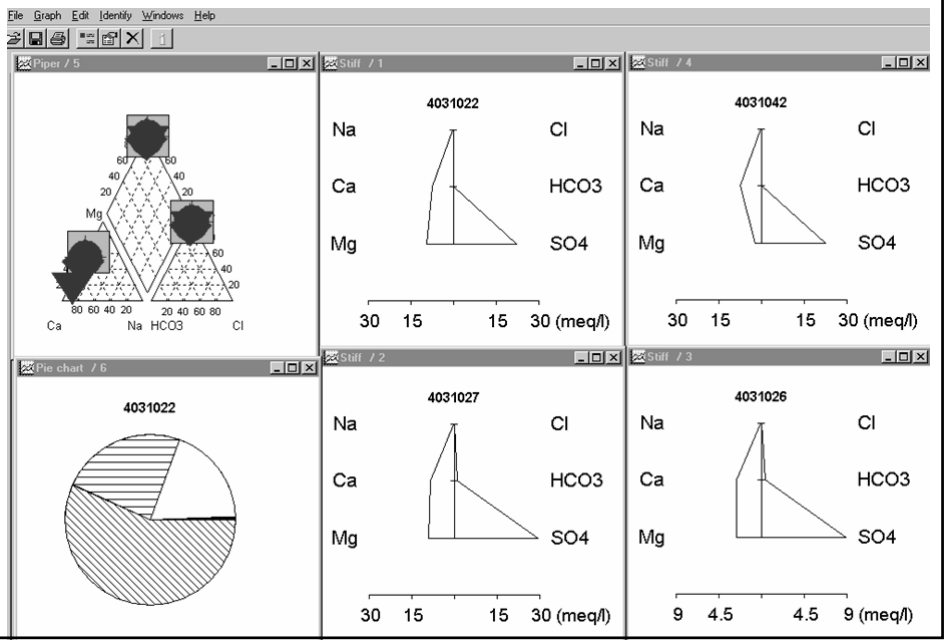


Both of these images were imported into PowerPoint using the above methods.

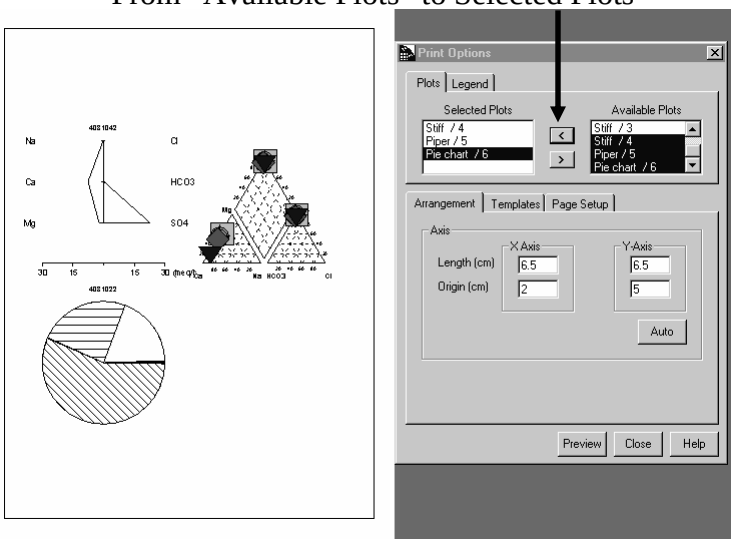
Exporting as "Windows MetaFile (*.WMF)



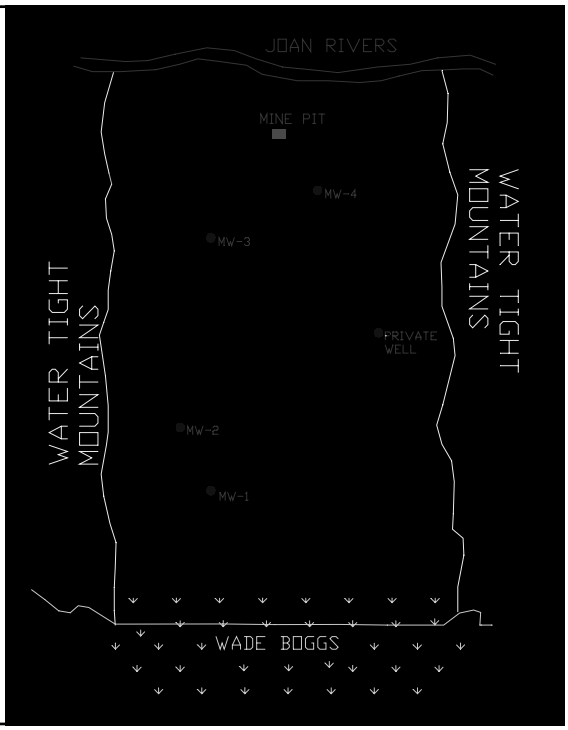
Select the graphs that you want to print



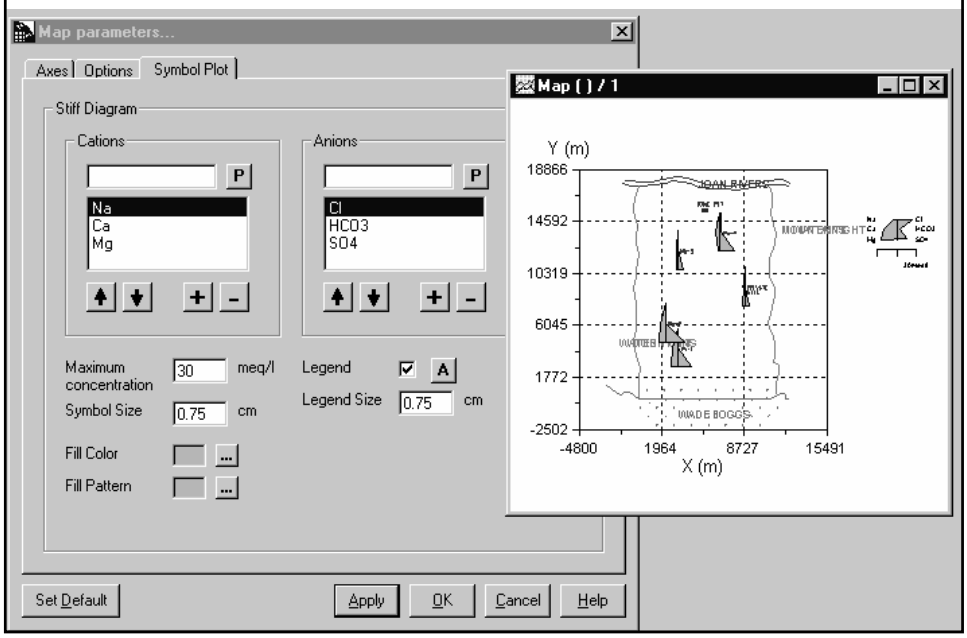
Transfer the graphs that you want to plot
From "Available Plots" to Selected Plots"



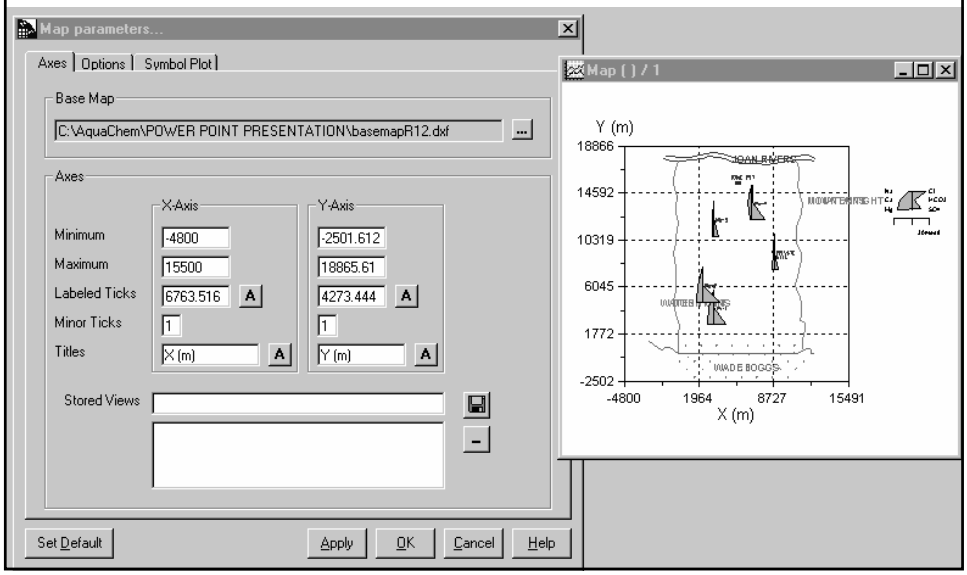
What it looks like “on Screen” in ArcView

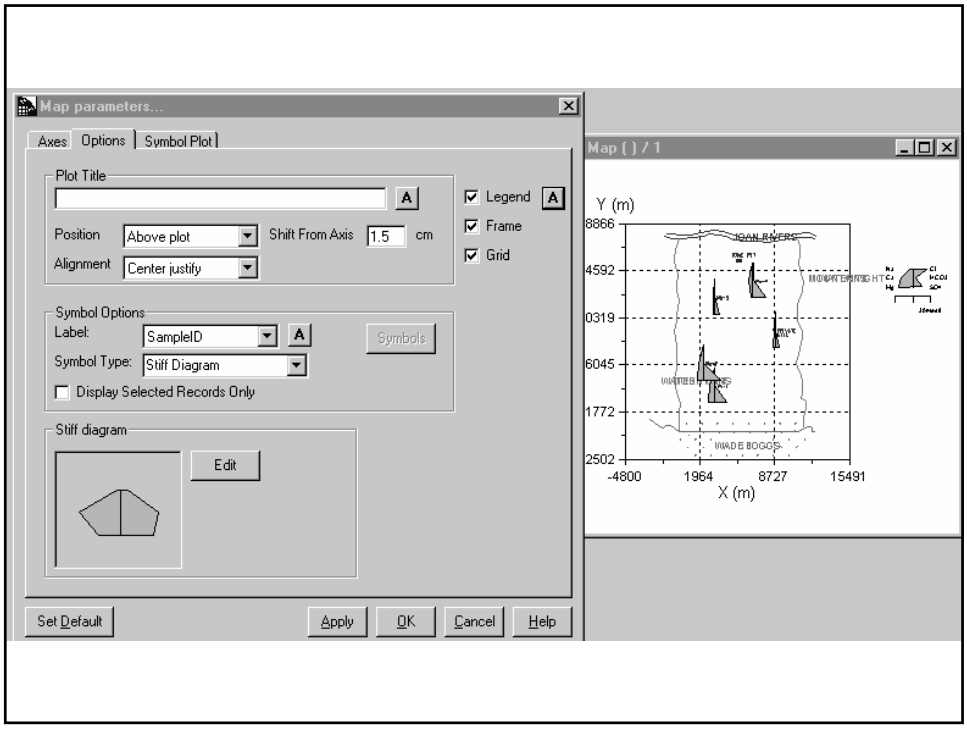


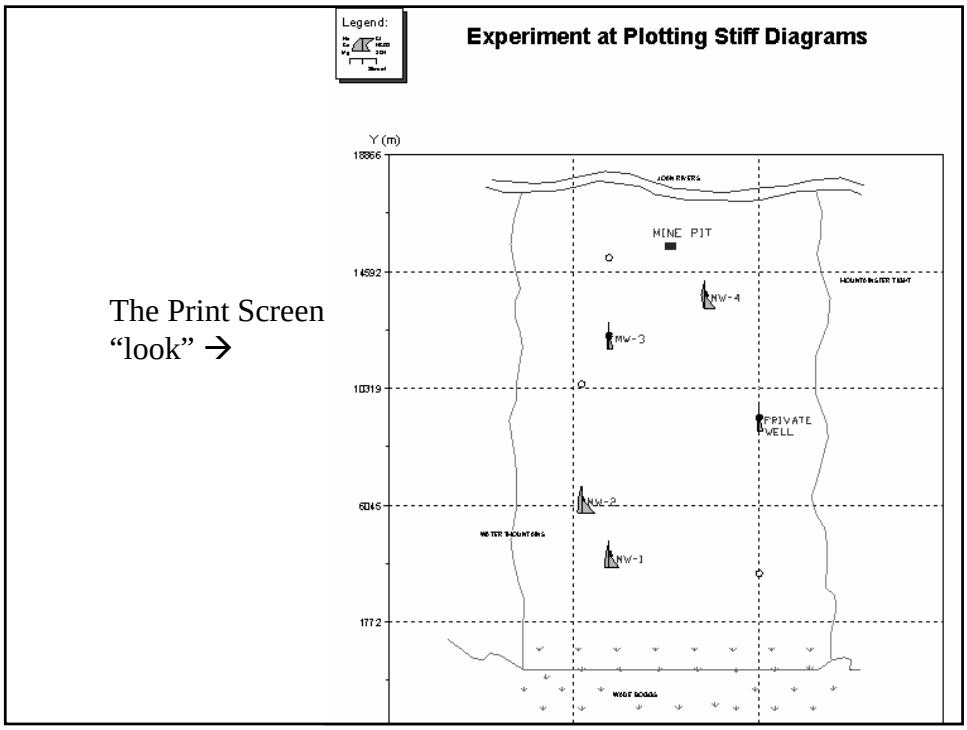
Map Symbols, Legend for Symbols, Font, &c., &c.



Control of Axes



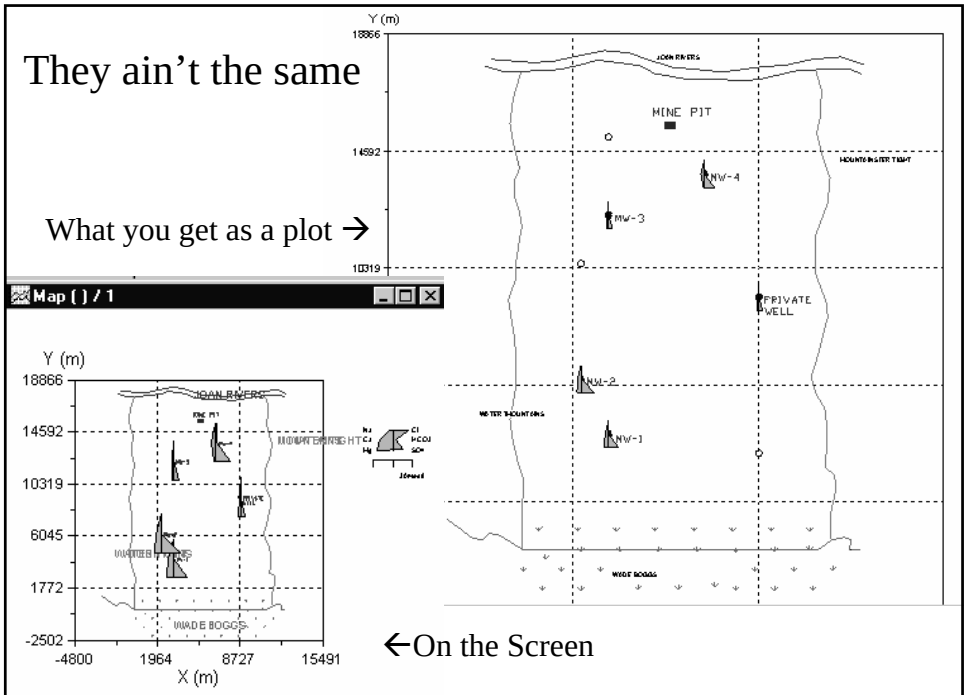




The Print Screen "look" →

They ain't the same

What you get as a plot →



←On the Screen