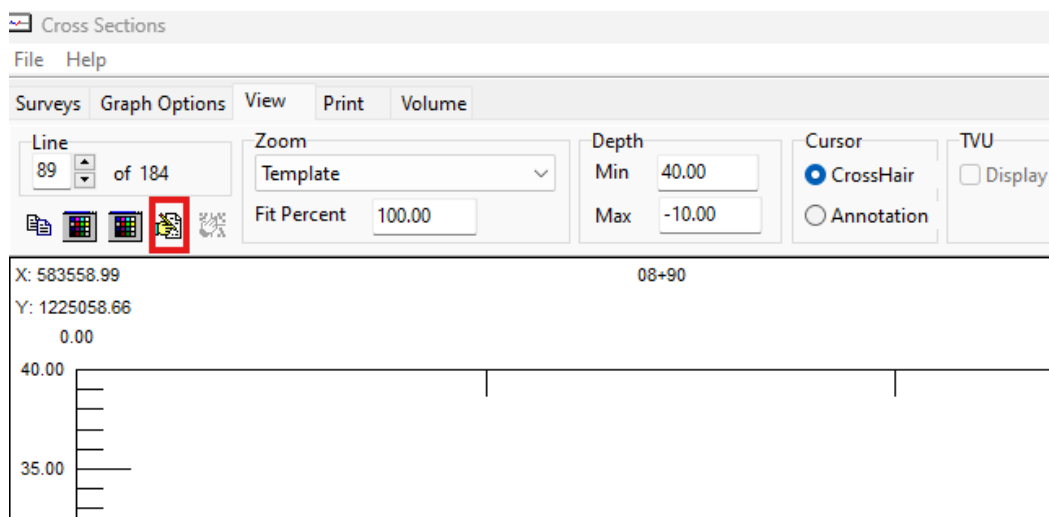


Adding Markups to Cross Sections

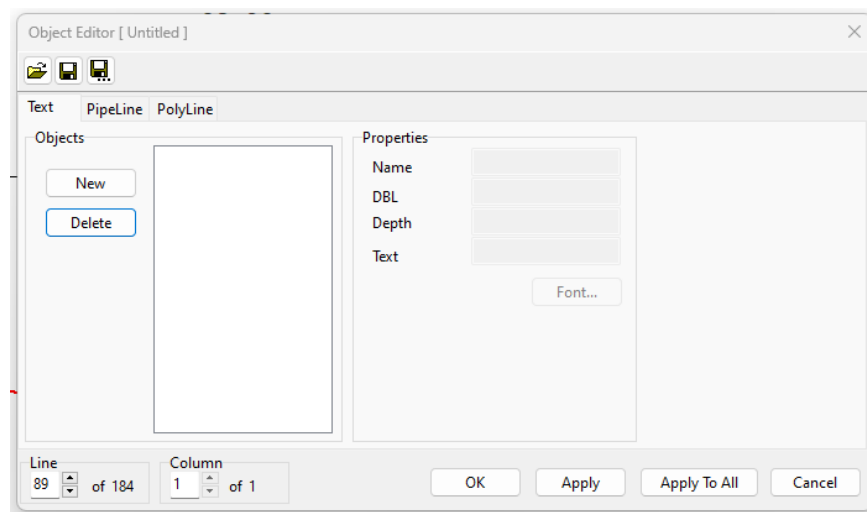
by Trevor Hamlett

Most of our users are unaware that Cross Sections and Volumes has a built-in tool to help mark up cross sections. Some users purchase expensive PDF editors solely to perform tasks that HYPACK® can already do. In this article, I will showcase the Object Editor in Cross Sections and Volumes. The Object Editor allows you to customize text, add pipelines and polylines to illustrate objects, which you can then apply to your cross sections.

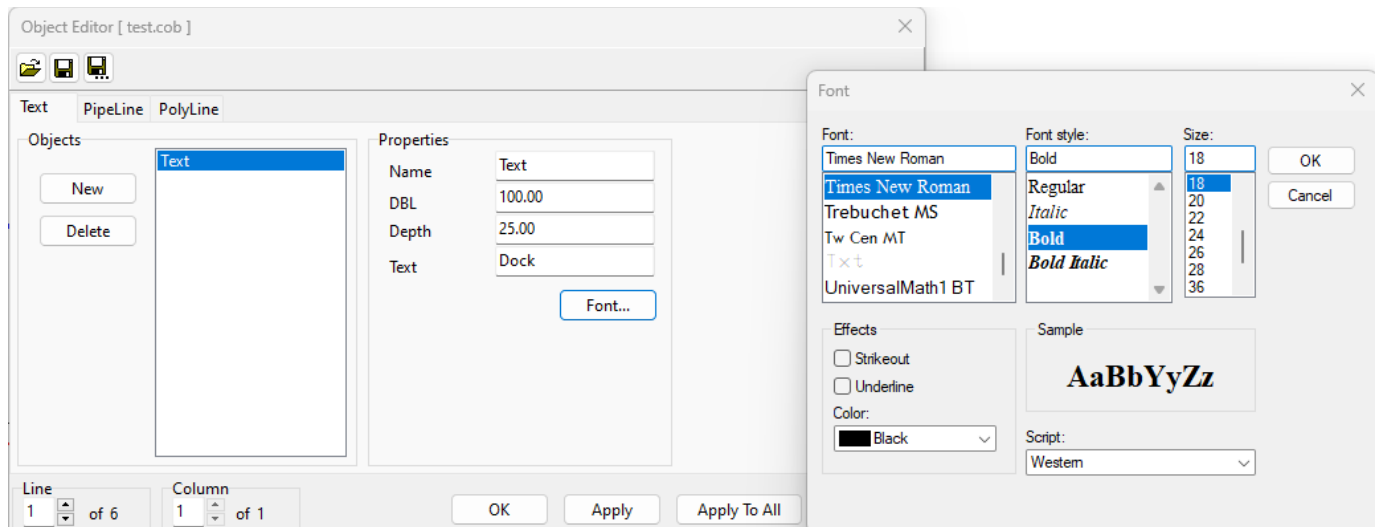
Once you have your desired cross-sections loaded into the program, you can click the Object Editor button.



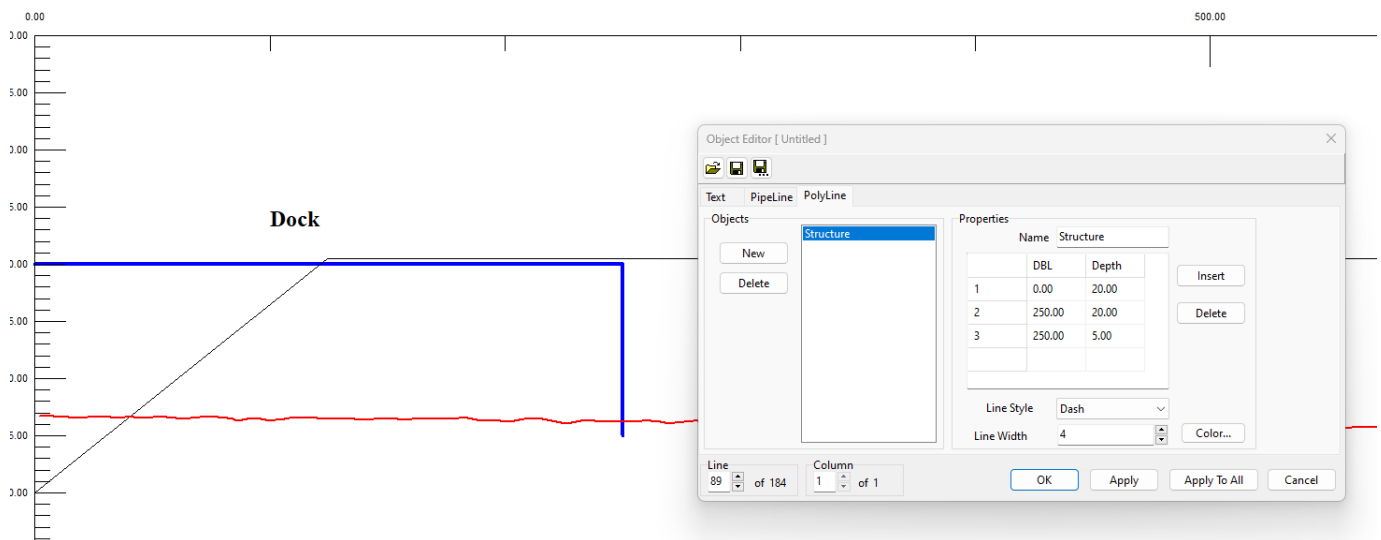
The Object Editor window should open, which looks like this.



In this window, you can add text, pipelines, or polylines. The majority of our customers will primarily use text and polylines. In this example, I will add some text and a polyline. Click [New] while under the Text tab. Then, under the Properties section, you can name that text group, assign a DBL value (horizontal axis), assign a depth value (vertical axis), and customize the display text. Click [Font] to open up the Font editor window, where you can also customize the font to your liking.



The PolyLine tab will be similar. You just need to type in your DBL values and depths to create a desired line. In my example, I created a simple dock structure to illustrate an object blocking the cross-section. You can use the tools available in the window to edit your polyline to meet your desired needs.



Once you are satisfied with how your cross-section looks, you can save it as a *.cob file. You can add this *.cob file to your other cross sections as well by either clicking [Apply To All] or going back to the Surveys tab and adding them in manually.

File Help					
Surveys Graph Options View Print Volume					
Lines	Comp. Slope	Objects	Template	Base Survey	
1		test.cob		08+90.222	
2		test.cob		09+00.222	
3		test.cob		09+10.222	
4		test.cob		09+20.222	
5		test.cob		09+30.222	
6		test.cob		09+40.222	

Just be aware that you may need to adjust the objects per line, and if that is the case, then you will need to save out each *.cob file as a different file. It all depends on what type of markups you are trying to perform, but I find that setting the Zoom option to Range is my preferred choice because every cross-section will have the same horizontal and vertical axis to base the object files on.

h Options	View	Print	Volume
Zoom			
Range			
Start	0.00	End	250.00
Depth			
Min			
Max			