

Tutorial: Ticklists

Ticklists are the petrographer's selection of what are expected to be every compositional constituent that might occur in the sample. They are needed because the full list of everything that could possibly be seen on all slides (the PETROG dictionaries) runs to thousands of items and so cannot all be shown at one time. Ticklists can be created, viewed and edited using the menu

Lists | TickLists

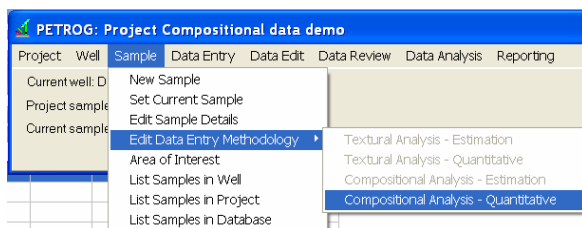
Any petrographer can use any other petrographer's Ticklists, but can only edit or delete those that they have created themselves.

When you are, logging, you will see ticklists down the right hand side of the screen:

Category	Item	Item	Item	
Detrital Grains: Choose from full list	<input type="radio"/> Quartz - Monocrystalline	<input type="radio"/> Muscovite	<input type="radio"/> Zircon	
	<input type="radio"/> Quartz - Polycrystalline	<input type="radio"/> Biotite	<input type="radio"/> Sphene	
	<input type="radio"/> Microcline	<input type="radio"/> Amphibole Group	<input type="radio"/> Garnet Group	
	<input type="radio"/> Orthoclase	<input type="radio"/> Pyroxene Group	<input type="radio"/> Tourmaline Group	
	<input type="radio"/> Plagioclase	<input type="radio"/> Olivine Group	<input type="radio"/> Intrabasinal - Mudstone	
	Choose from full list			
	Bioclastic Grains: Choose from full list	<input type="radio"/> Stromatoporoidea	<input type="radio"/> Gastropoda	<input type="radio"/> Textularina
		<input type="radio"/> Octocorallia	<input type="radio"/> Echinoidea	<input type="radio"/> Codiaceae
		<input type="radio"/> Bryozoa	<input type="radio"/> Crinzoa	<input type="radio"/> Dasycladaceae
<input type="radio"/> Brachiopoda		<input type="radio"/> Sederitana (Serpulids)		
<input type="radio"/> Bivalvia		<input type="radio"/> Milolima		
Choose from full list				
Carbonate Grains: Choose from full list	<input type="radio"/> Ooids - Radial	<input type="radio"/> Oncoids - Algal	<input type="radio"/> Grapestone	
	<input type="radio"/> Ooids - Tangential	<input type="radio"/> Pelletoids	<input type="radio"/> Relict Indeterminate	
	<input type="radio"/> Pisoids - Superficial	<input type="radio"/> Faecal pellets		
	Choose from full list			
	Authigenic Minerals: Choose from full list	<input type="radio"/> Quartz	<input type="radio"/> Chlorite Group	<input type="radio"/> Dolomite - High ferroan
		<input type="radio"/> Illite-Smectite	<input type="radio"/> Microcline	<input type="radio"/> Limonite
<input type="radio"/> Kaolinite		<input type="radio"/> Calcite - Non-ferroan	<input type="radio"/> Baryte	
<input type="radio"/> Illite		<input type="radio"/> Calcite - High-ferroan	<input type="radio"/> Pyrite	
Choose from full list				
Matrix: Choose from full list		<input type="radio"/> Terrigenous	<input type="radio"/> Carbonate	<input type="radio"/> Pseudo-Terrigenous
	<input type="radio"/> Illitic-Smectitic	<input type="radio"/> Calcareous	<input type="radio"/> Pseudo-Carbonate	
	Choose from full list			
Pore Type: Choose from full list	<input type="radio"/> Intergranular	<input type="radio"/> Intercrystalline	<input type="radio"/> Grain mouldic	
	<input type="radio"/> Intragranular	<input type="radio"/> Vugular	<input type="radio"/> Partial grain dissolution	
	<input type="radio"/> Matrix	<input type="radio"/> Matrix dissolution	<input type="radio"/> Crystal mouldic	
	Choose from full list			
	Organic Materials: Choose from full list	<input type="radio"/> AOM	<input type="radio"/> Vitrinite	<input type="radio"/> Inertinite
		<input type="radio"/> Resin_Amber	<input type="radio"/> Liptinite/Exinite	<input type="radio"/> Tar (solid bitumen)
Choose from full list				
Artifact: Choose from full list	<input type="radio"/> Drilling Mud	<input type="radio"/> Grain plucking	<input type="radio"/> Grease/heavy oil	
	Choose from full list			
Thin Section Actions:		Count Actions:		
<input type="button" value="OK"/> <input type="button" value="Summary"/>		<input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Ditto"/>		
<input type="button" value="Comment"/>				

The ticklists shown here are chosen during sample set-up. From the main menu:

Sample | Edit Data Entry Methodology | Compositional Analysis - Quantitative



or from the main menu:

Sample | Edit Data Entry Methodology | Compositional Analysis - Estimation

in either case, you get to the same window, which is:

(the same window can also be accessed from menu

Sample | Edit Sample Details

and choosing the fourth tabbed page, Data Entry Methods):

From this window, you can choose which ticklists will shown during logging. There is a dropdown list for each of the 8 main categories: Detrital Grains, Bioclastic Grains, etc. Having selected ticklists for one sample in a study, you can use the same selection for all samples in the study by using the “Apply To” button and selecting all samples (or just a subset of them, as required).

When creating a ticklist, you will try to include all of the common items but it can happen that something is seen on the slide which was not expected. In this case, the button “Choose from full list”, on the right hand side of each ticklist, shows the full dictionary. Once an item has been chosen from the full dictionary, it is not added to the ticklist but it is available for selection later on the same slide, because the list of what has been logged so far also acts as a ticklist: double click on any item in the list at the bottom left of the quantitative logging screen, and it is used as the description of the current point.

Creating a Ticklist

If none of the available ticklists is suitable for your sample, you can create your own ticklist, either by starting from scratch:

Lists | TickLists | Create TickList

or by editing an existing ticklist:

Lists | TickLists | Edit TickList

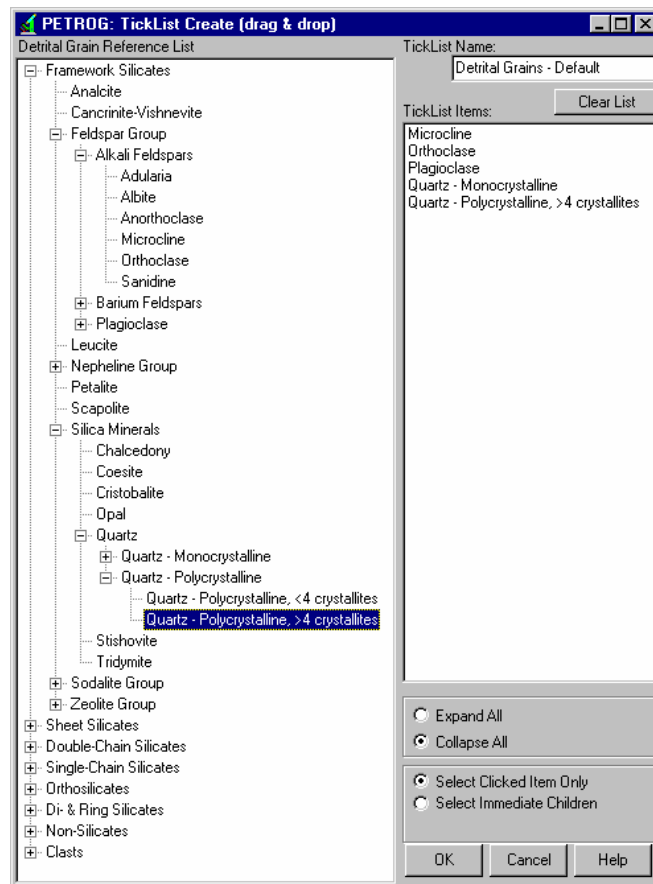
Ticklists are created separately for each of the main geological classes captured within **PETROG**. Ticklists are constructed from the hierarchical reference lists of the various rock sample components held within the **PETROG** database.

To create a Ticklist:

- Select from the PETROG main menu:

Lists | TickLists | Create TickList | [class required]

e.g. for class Detrital Grains:



Create TickList window.

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In the left hand pane, labelled Reference List, the Create TickList window displays a hierarchical reference list of all available components for the selected geological class within the **PETROG** database. Initially the list is presented in a collapsed state, with only the top level items being displayed. The list can be expanded by either:

- Clicking on the + sign adjacent to the item you wish to expand; or
- Selecting the **Expand All** radio button.

Individual data items are selected from the Reference List for inclusion within the TickList by clicking on the item required and then dragging it into the right hand TickList Items with the **LMB** held down. Various selection groupings are possible by using the Select radio buttons. Two options exist:

- Select Clicked Item Only: only select the item clicked (although using this item anywhere within PETROG will assume all of its children as well, as special cases);

or

- Select Immediate Children: selects only those items from the hierarchical level immediately below the item you have selected (i.e. its immediate children).

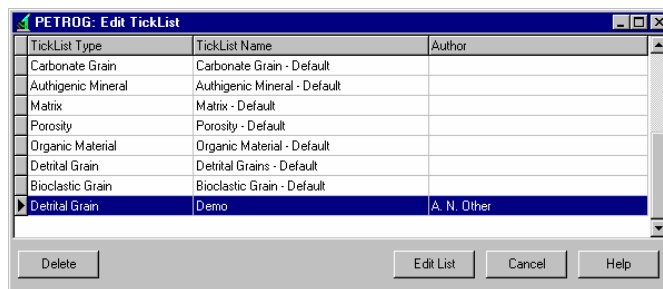
Items placed in the TickList Items list can be edited using a variety of options accessed by clicking on the item and using the **RMB** menu. Options include, Delete, Raise (one place in list), Lower (one place in list), Raise to Top (of list), Lower to Bottom (of list) and Sort (alphabetic downward).

Before a TickList can be saved in the database the TickList must be given a unique name. The **OK** button will not become active until the TickList is named. **PETROG** automatically associates the TickList with the petrographer creating the list.

Editing TickLists

To edit an existing TickList:

- Select from the PETROG window, Lists | TickLists | Edit TickLists.

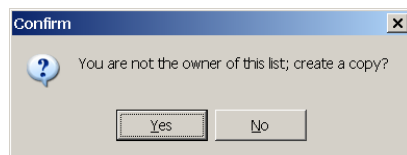


TickLists Available window.

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A list of all the TickLists contained within the **PETROG** database is presented. Select the TickList you wish to edit followed by the **Edit List** button. This presents you with the Edit TickList window, which has the same functionality as the Create Ticklists option. If you ask to edit a ticklist which does not belong to you, PETROG will offer to create a copy, which will belong to you.

Any unwanted lists may be deleted, as long as they belong to the current petrographer. Lists either belong to a specific petrographer or belong to the system, in which case they cannot be edited by anyone. If you do ask to edit either a system-provided ticklist or a ticklist belonging to someone else, you will be asked:



and, if you answer “Yes”, PETROG will create a new ticklist, which is owned by you.