

PQ Aggregate

V 1.0

9 June 2009

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Using PQ aggregate

Overview

When you run the program PotentQ from Geosoft's Oasis montaj to generate a model, a model summary file is generated. This is a text file with a name formed by appending the extension ".txt" to the file name root that you specified in the GX program that ran PotentQ. The purpose of the summary file is to feed information about the model back to Oasis montaj to allow a map to be annotated with information about the model.

If you have many PotentQ models (possibly hundreds) over an area then you might want to aggregate the information into a single file, which can then be imported to an Oasis montaj database. This would allow, for example, the depths to the tops of many models to be used to generate a basement surface.

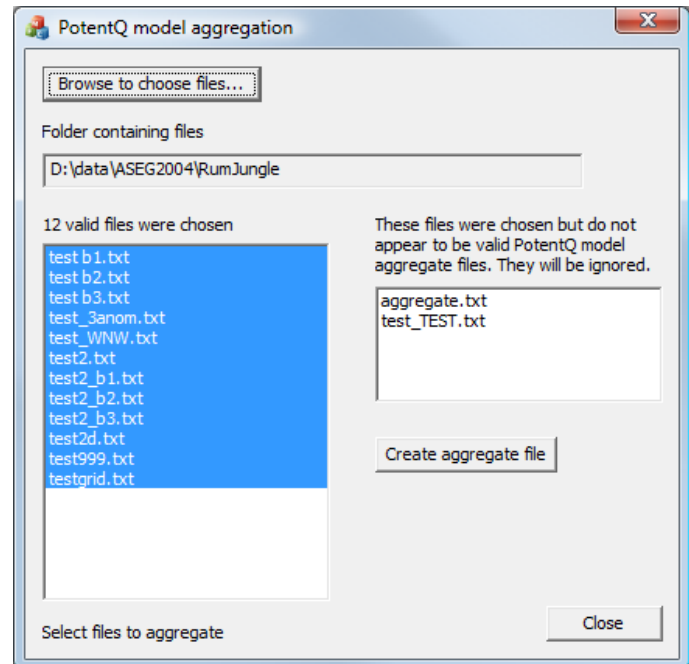
The stand-alone application PQaggregate is intended to address this requirement.

Using PQ aggregate

The summary files you want to aggregate must be located in the same folder. Click the **Browse to choose files** button, navigate to the folder, and highlight all the required files. By default these files will have a “.txt” extension. Don’t worry about accidentally including text files that are not model summary files; PQaggregate will reject them automatically.

When you have finished choosing the files they will be listed in the **Valid files** (left hand) list box, as in the example. Any files that are not summary files are listed in the other (right hand) list box.

In the **Valid files** list box highlight the files you want to aggregate. (Initially all are highlighted, so generally no further selection is necessary.) Click the **Create aggregate file** button and specify a name for the output file. If you don’t specify an extension “.txt” is appended automatically. PQaggregate creates a text file in which the properties of each body are listed on a single line. The first two lines define the field names and the “undefined” value, as in this example:



```
File Type Description X Y Z Strike, Dip, Plunge, Density, Susceptibility, A, B, C, Slope
Undefined value = 1e-099
"test2_b1.txt" "RECTPRISM" "Sandstone unit" 723446 8553209 -73 4.2 -65.8 12.3 1 0.1158 280 3950 1736 1e-099
"test2_b2.txt" "RECTPRISM" "" 723034 8552915 30 30.6 0 0 1 0.4929 461 998 33 1e-099
"test2_b3.txt" "RECTPRISM" "" 724147 8553042 184 15.5 0 0 1 0.3097 68 395 3320 1e-099
"test2d.txt" "DYKE" "" 720845 8548417 -34 43.1 0 0 1 0.0735 1223 0 10000 20.2
"test999.txt" "DYKE" "" 723847 8552496 -400 22.9 0 0 1 0.0443 800 0 1727 122.5
"testgrid.txt" "RECTPRISM" "" 724716 8555532 -89 48 -76.9 7.3 1 0.0596 229 2257 1221 1e-099
"testgrid.txt" "RECTPRISM" "" 723908 8553353 -146 19.4 -5.1 9.6 1 0.1535 1430 2382 310 1e-099
```

Importing to Oasis montaj

The file produced by PQaggregate may be loaded into an Oasis montaj database. Use the **Database | Import | Ascii...** command and use the import wizard. Remember that missing numeric values are flagged by the value indicated on the second line of the file. This should be an issue only for the **Slope** field, which signifies the slope of the dyke, cylinder or slab body types. (Refer to PotentQ Help for more information.)

Once loaded into a database you might, for example, generate a depth-to-basement map by gridding the Z field.