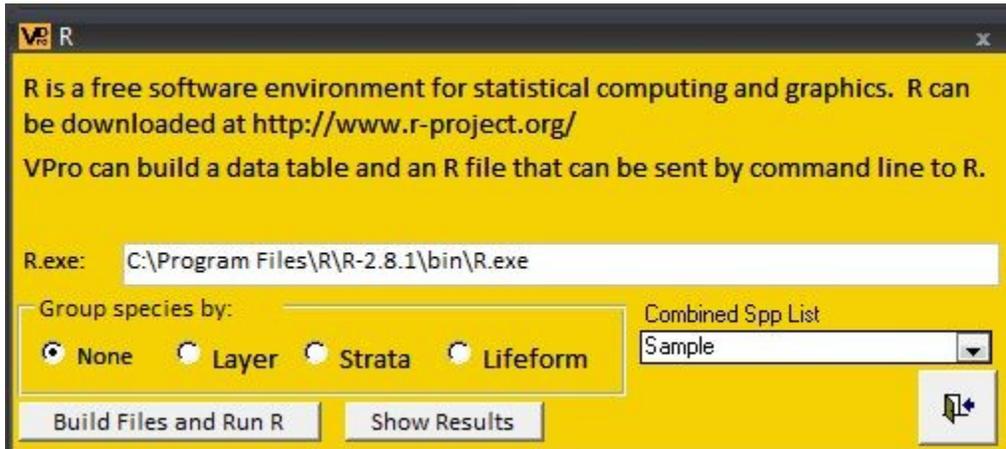
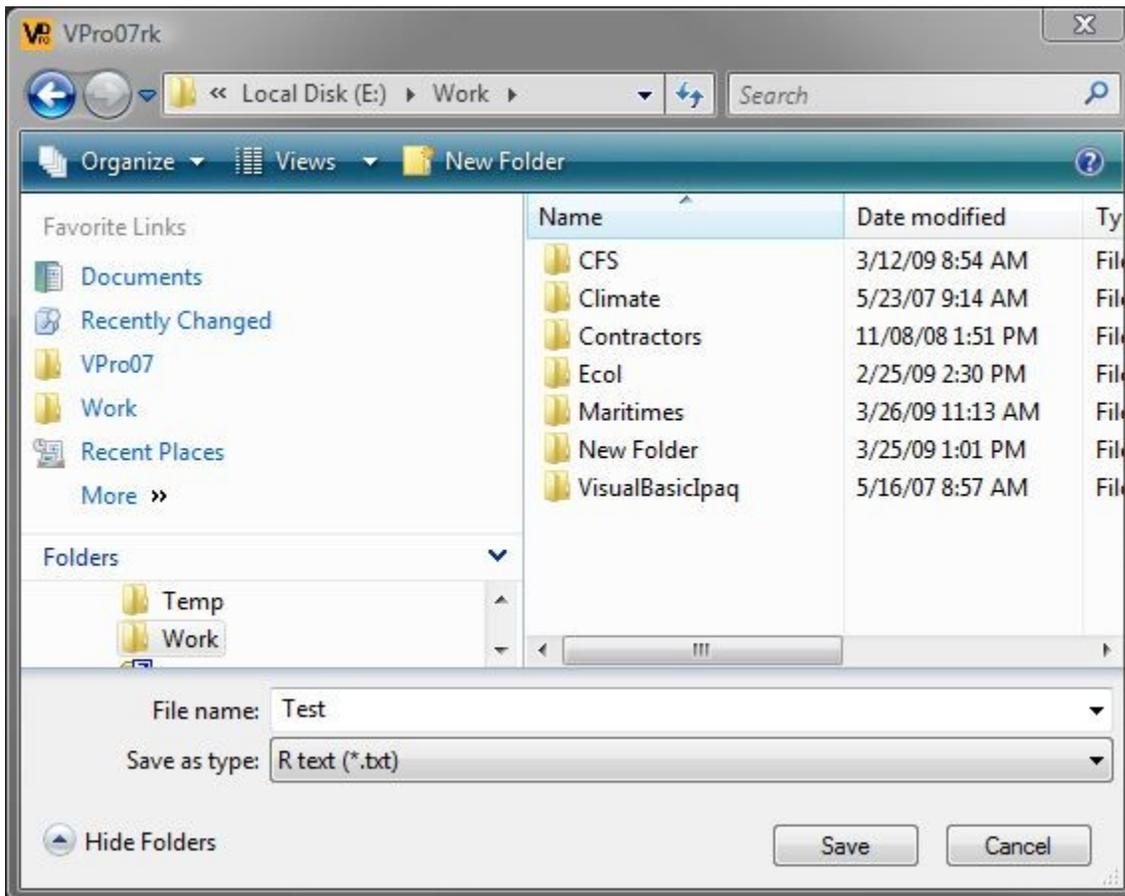


R is a big subject. It's a bit overwhelming to dig into and see all the features and translate those features into the numerous possibilities if it were applied to VPro. Below is a little scratch into the surface using the 3 column method that was requested.

First the usual criteria form. Here you can select how to group and lump. Click the "Build Files and Run R" button to get things rolling.



You'll be prompted for a file name. Standard stuff.



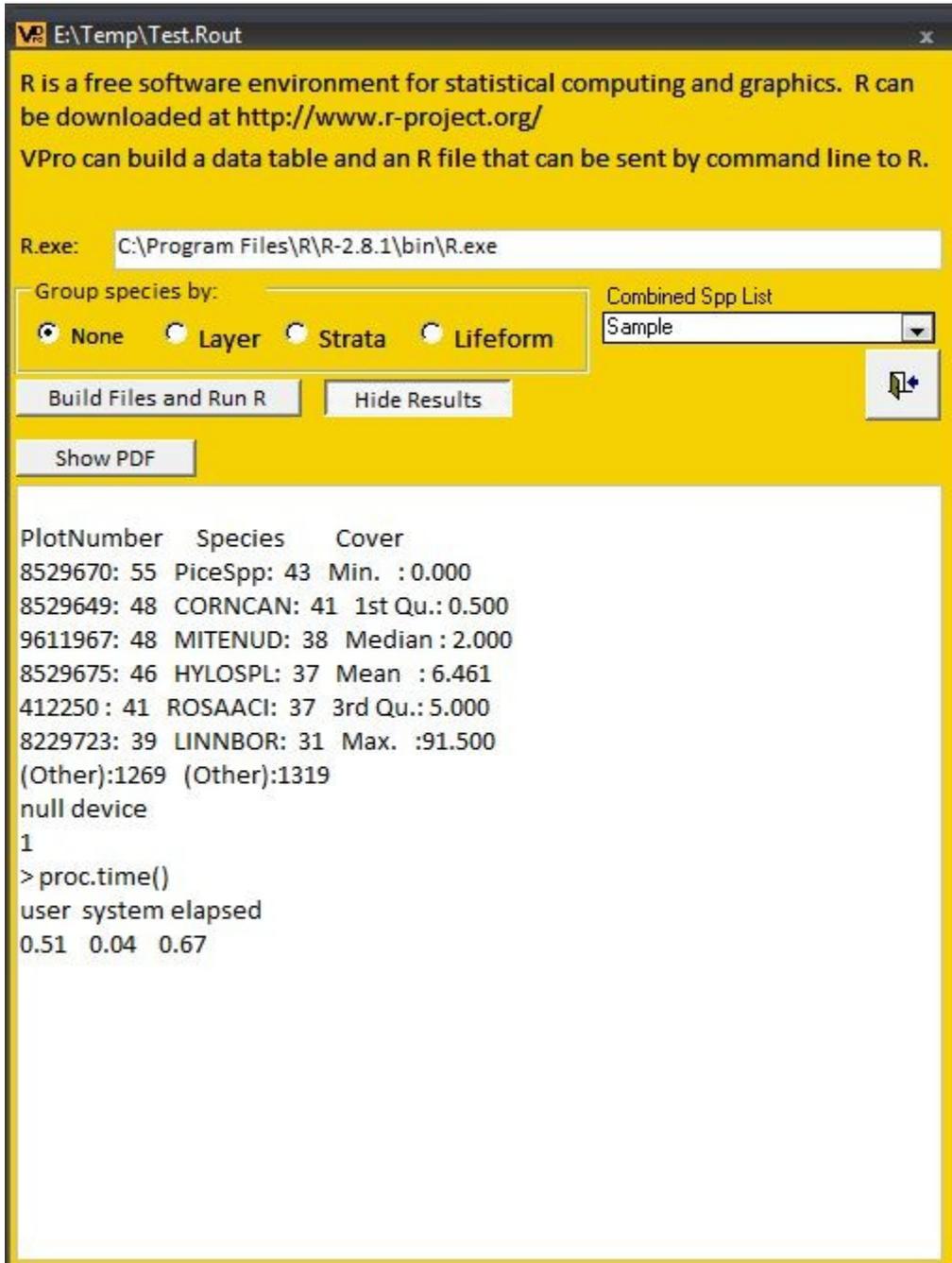
VPro quickly builds the data table, in this case "Test.txt", and the instruction table, "Test.R".

Name	Date modified	Type	Size
Test.PDF	3/27/09 1:48 PM	PDF File	574 KB
Test.R	3/27/09 1:48 PM	R File	1 KB
Test.Rout	3/27/09 1:48 PM	ROUT File	1 KB
Test.txt	3/27/09 1:48 PM	Text Document	35 KB

Click the "Show Results" button to show the results.

The screenshot shows the VPro software interface. At the top, a yellow banner contains the text: "R is a free software environment for statistical computing and graphics. R can be downloaded at <http://www.r-project.org/>. VPro can build a data table and an R file that can be sent by command line to R." Below this, the "R.exe:" field is set to "C:\Program Files\R\R-2.8.1\bin\R.exe". There are radio buttons for "Group species by:" with options "None", "Layer", "Strata", and "Lifeform". A "Combined Spp List" dropdown menu is set to "Sample". Two buttons, "Build Files and Run R" and "Hide Results", are visible. A "Show Rout" button is also present. The interface includes a toolbar with icons for printing, saving, and navigation, along with a "Find" search bar. The main display area shows a 3x3 grid of plots. The top-left plot is labeled "PlotNumber" and is empty. The top-middle plot shows a dense grid of points with axes ranging from 0 to 300. The top-right plot shows a similar grid of points with axes ranging from 0 to 80. The middle-left plot shows a grid of points with axes ranging from 0 to 300. The middle-right plot is labeled "Species" and shows a grid of points with axes ranging from 0 to 80. The bottom-left plot shows a grid of points with axes ranging from 0 to 50. The bottom-middle plot shows a grid of points with axes ranging from 0 to 80. The bottom-right plot is labeled "Cover" and is empty.

Clicking the “Show Rout” button shows the contents of the Rout file.



The screenshot shows a window titled "E:\Temp\Test.Rout" with a yellow background. The window contains the following text:

R is a free software environment for statistical computing and graphics. R can be downloaded at <http://www.r-project.org/>
VPro can build a data table and an R file that can be sent by command line to R.

R.exe: C:\Program Files\R\R-2.8.1\bin\R.exe

Group species by: None Layer Strata Lifeform

Combined Spp List: Sample

Buttons: Build Files and Run R, Hide Results, Show PDF

```
PlotNumber Species Cover
8529670: 55 PiceSpp: 43 Min. :0.000
8529649: 48 CORNCAN: 41 1st Qu.: 0.500
9611967: 48 MITENUD: 38 Median : 2.000
8529675: 46 HYLOSPL: 37 Mean : 6.461
412250 : 41 ROSAACI: 37 3rd Qu.: 5.000
8229723: 39 LINNBOR: 31 Max. :91.500
(Other):1269 (Other):1319
null device
1
> proc.time()
user system elapsed
0.51 0.04 0.67
```