Rocky Mountain – Vegetative Structural Stage
Forest Vegetation Simulator Post Processing
Users Guide

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I. Concepts: FVS Reporting of Vegetative Structural Stage

There are two Forest Vegetation Simulator (FVS) post processing programs available to report Vegetative Structural Stage (VSS): RMVSS and FVSStand. This paper will describe how to use each of these programs to output VSS values. Consideration for Northern Goshawk habitat requires analysis at three levels: Within a forest stand; At the forest stand; and, Amongst many forest stands. Methods to address these various scales will also be presented in this paper. The Cedro project area on the Cibola National Forest will be used as an example.

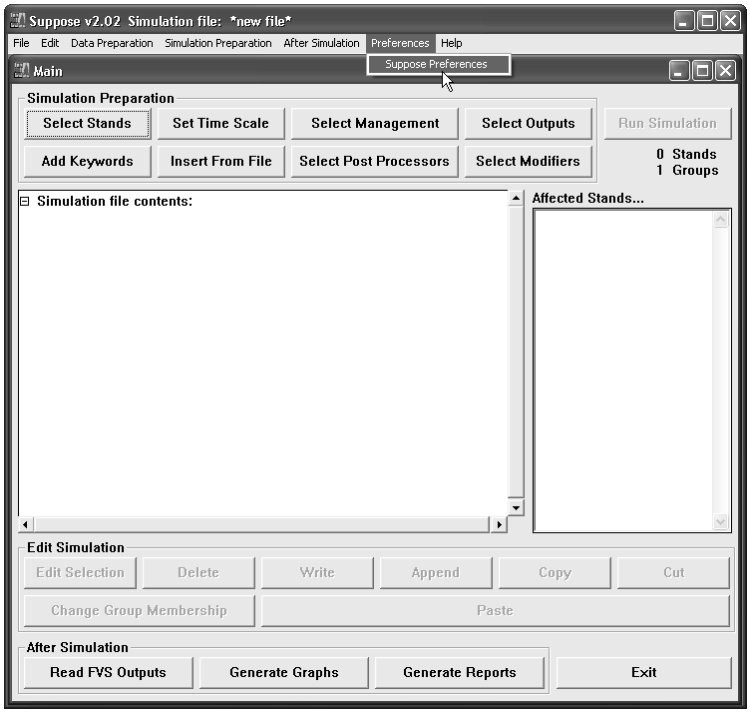
II. FVS/VSS Analysis: Within a Forest Stand

Follow these steps to process inventory point data:

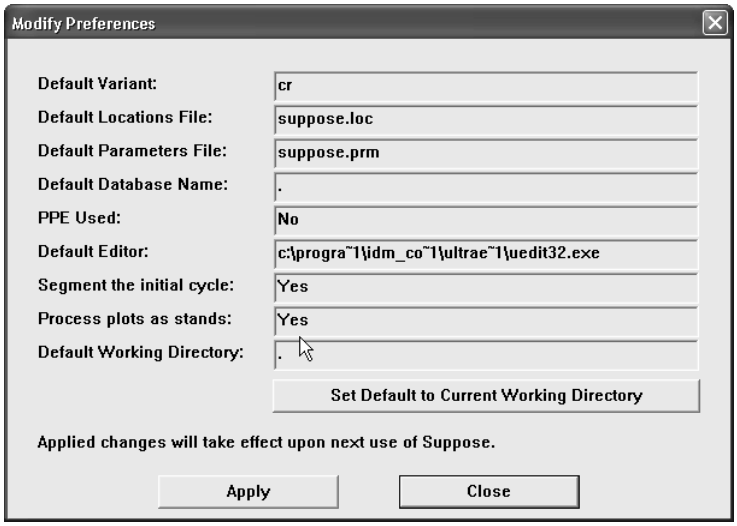
Execute the **Suppose** interface by clicking the **Suppose** icon.

Plot Selection (a.k.a. Within Stand Level - inventory point, subplot)

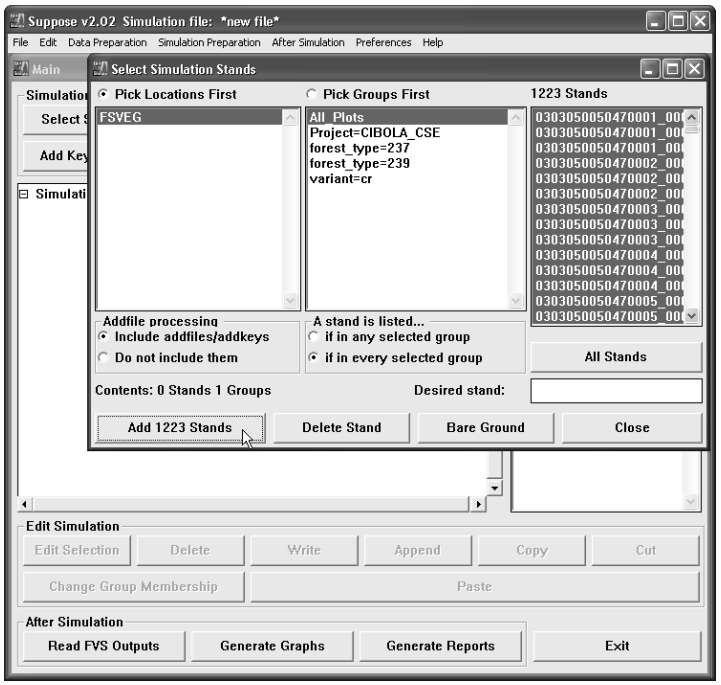
1. Select "**Preferences**" on the main menu bar in Suppose.
2. Select "**Suppose Preferences**" menu option.



3. The "**Process plots as stands**" Suppose preference should be set to "**Yes**".
4. Click the "**Apply**" button.
5. Click the "**Close**" button to return to the main Suppose window.

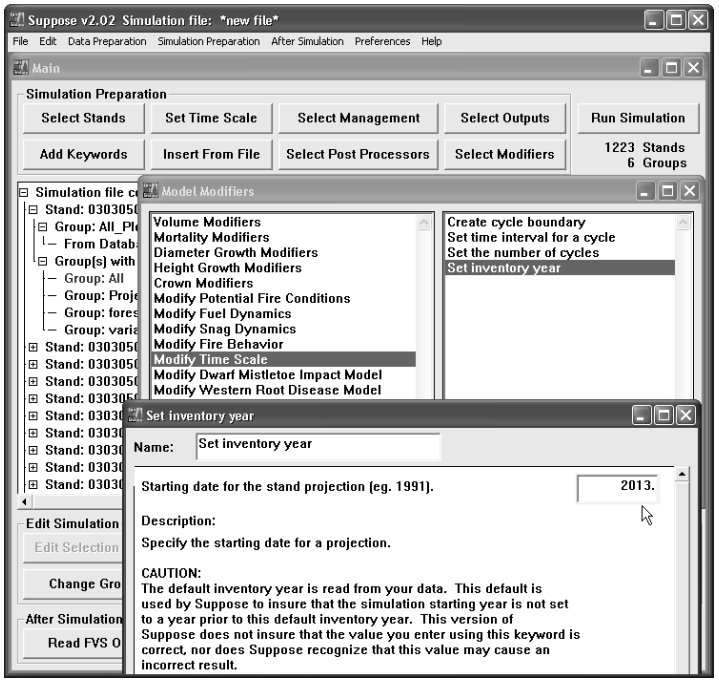


6. Select "**File**" on the main menu bar in Suppose
7. Click "**New**" to clear previous simulation from memory.
8. Select "**File**" on the main menu bar in Suppose.
9. Click "**Open Locations File**".
10. Navigate to your ***project folder*** (i.e. C:\FVSData\Cibola\Cedro).
11. Select the "**Suppose.loc**" file.
12. Click the "**Open**" button.
13. In the left window pane, under the "Pick Locations First" header, select "**FSVEG**".
14. In the middle window pane, under the "Pick Groups First header, select "**All_Plots**".
15. In the right window pane, click the "**All Stands**" button to select all inventory points.
16. Click the "**Add ### Stands**" button.
17. Click the "**Close**" button.



Modify Time Scale (optional)

18. Click the "**Select Modifiers**" button on the main Suppose window.
19. In the left pane of the "Model Modifiers" window, choose the "**Modify Time Scale**" list option.
20. In the right pane, choose the "**Set inventory year**" list option.
21. In the "Set inventory year" window, enter "**2013**" (i.e. current year) as the "**Starting date for the stand projection**".
22. Click the "**Okay**" button.



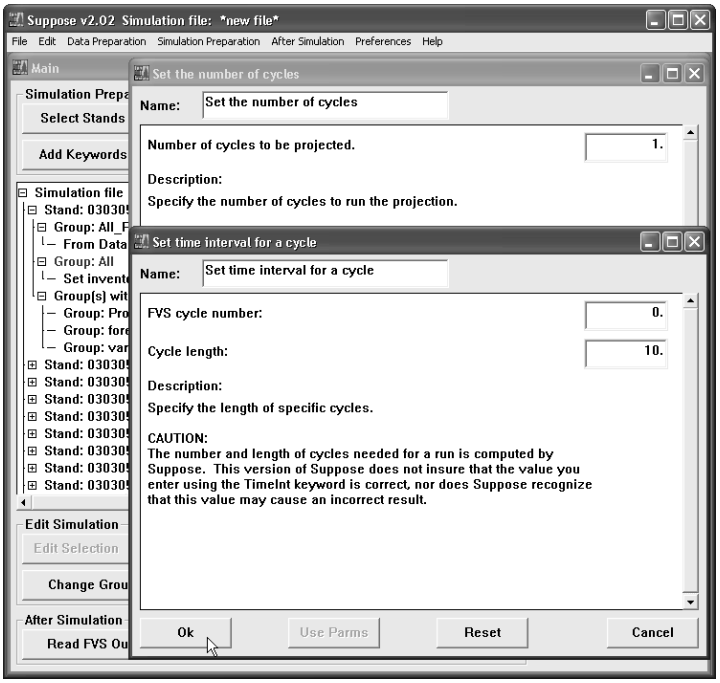
23. Next, in the right pane of the "Model Modifiers" window, choose the "**Set the number of cycles**" list option.
24. To report ***existing conditions only***, accept "**1**" as the "**Number of cycles to be projected**". To ***project beyond existing conditions***, enter an appropriate value equal to the total number of years divided by the projection cycle length (e.g. 200 years/10 year cycle length = 20 cycles).
25. Click the "**Okay**" button.
26. In the right pane of the "Model Modifiers" window, choose the "**Set time interval for a cycle**" list option.
27. For "**FVS cycle number**", specify "**0**" to indicate for ***all projection cycles***.
28. Leave "**Cycle length**" set to default value.
29. Click the "**Okay**" button.
30. "**Close**" the "**Model Modifiers**" window.

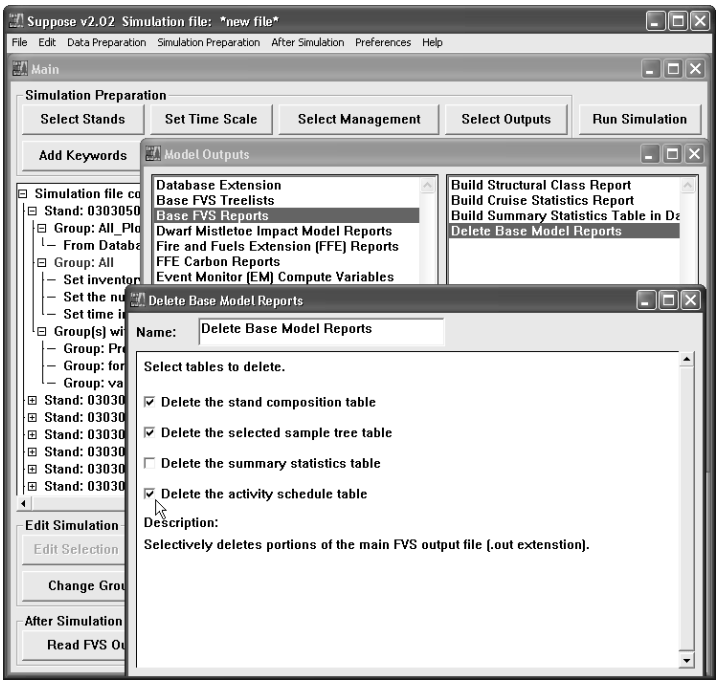
Delete Base Model Reports (optional)

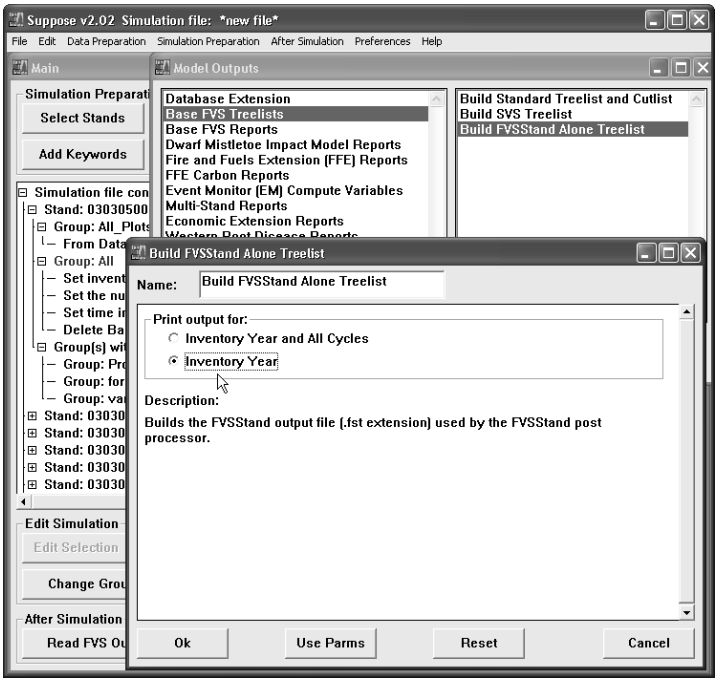
31. Click the "**Select Outputs**" button on the main Suppose window.
32. In the left pane of the "Model Outputs" window, choose the "**Base FVS Reports**" list option.
33. In the right pane, choose the "**Delete Base Model Reports**" list option.
34. Select to check the "**Delete the stand composition table**", "**Delete the selected sample tree table**", and "**Delete the activity schedule table**". This will eliminate the percentile tables and unnecessary activity schedule table from the FVS Main Output report.
35. Click the "**Okay**" button.

FVSStand Treelist (MANDATORY!!!)

36. In the left pane of the "Model Outputs" window, choose the "**Base FVS Treelists**" list option.
37. In the right pane, choose the "**Build FVSStand Alone Treelist**" list option.
38. To report ***existing conditions only***, click the "**Inventory Year**" radio button. To report ***projection years beyond existing conditions***, click the "**Inventory Year and All Cycles**" radio button.
39. Click the "**Okay**" button.
40. "**Close**" the "**Model Outputs**" window.

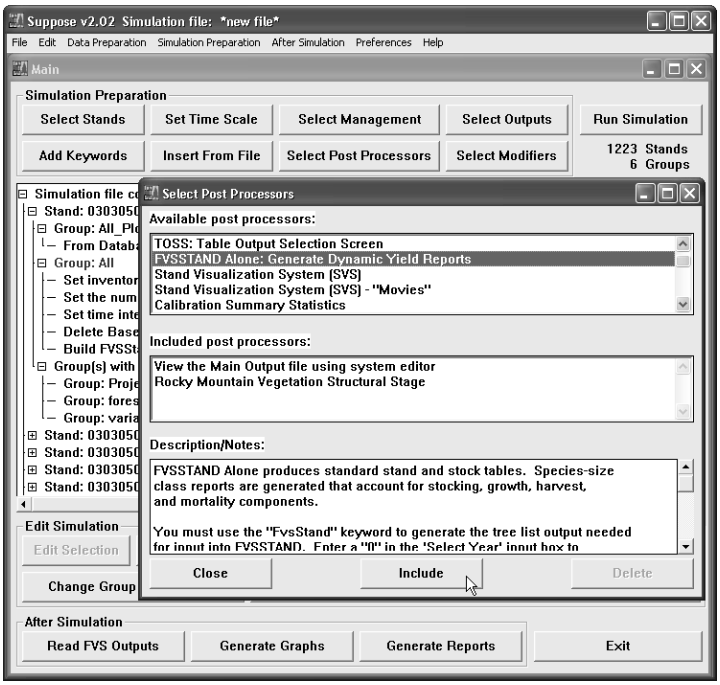






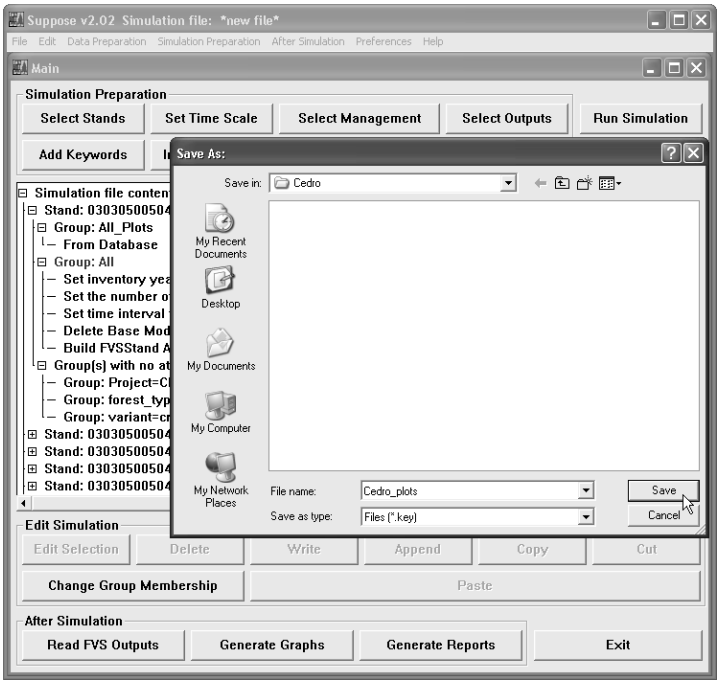
Select Post Processors (MANDATORY!!!)

41. Click the "**Select Post Processors**" button on the main Suppose window.
42. In the upper pane of the "Select Post Processors" window, choose the "**View the Main Output file using system editor**" list option.
43. Click the "**Include**" button.
44. In the upper pane of the "Select Post Processors" window, choose the "**Rocky Mountain Vegetative Structural Stage**" list option.
45. Click the "**Include**" button.
46. In the upper pane of the "Select Post Processors" window, choose the "**FVSSTAND Alone: Generate Dynamic Yield Reports**" list option.
47. Click the "**Include**" button.
48. "**Close**" the "**Select Post Processors**" window.



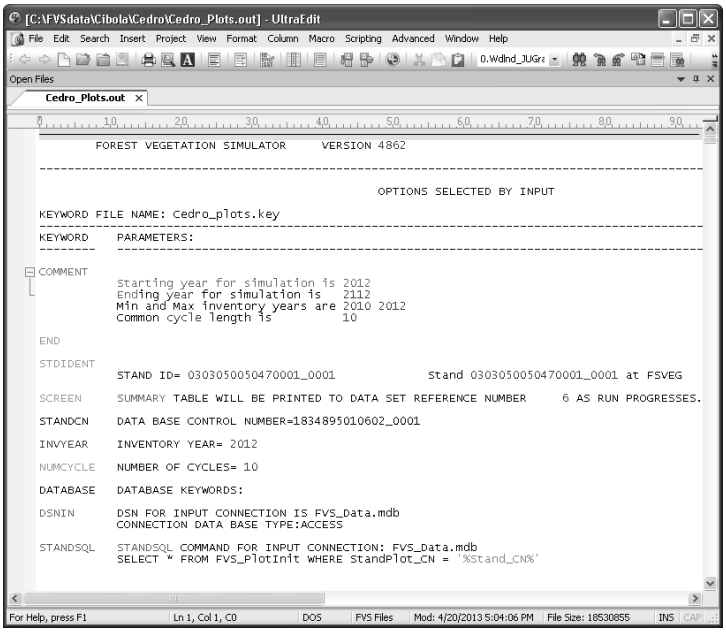
Run Simulation

49. Click the "**Run Simulation**" button on the main Suppose Window.
50. Creatively name your simulation in the "Save As" window. Click "Save".
51. Click the "**Run**" button.



View FVS Main Output Report

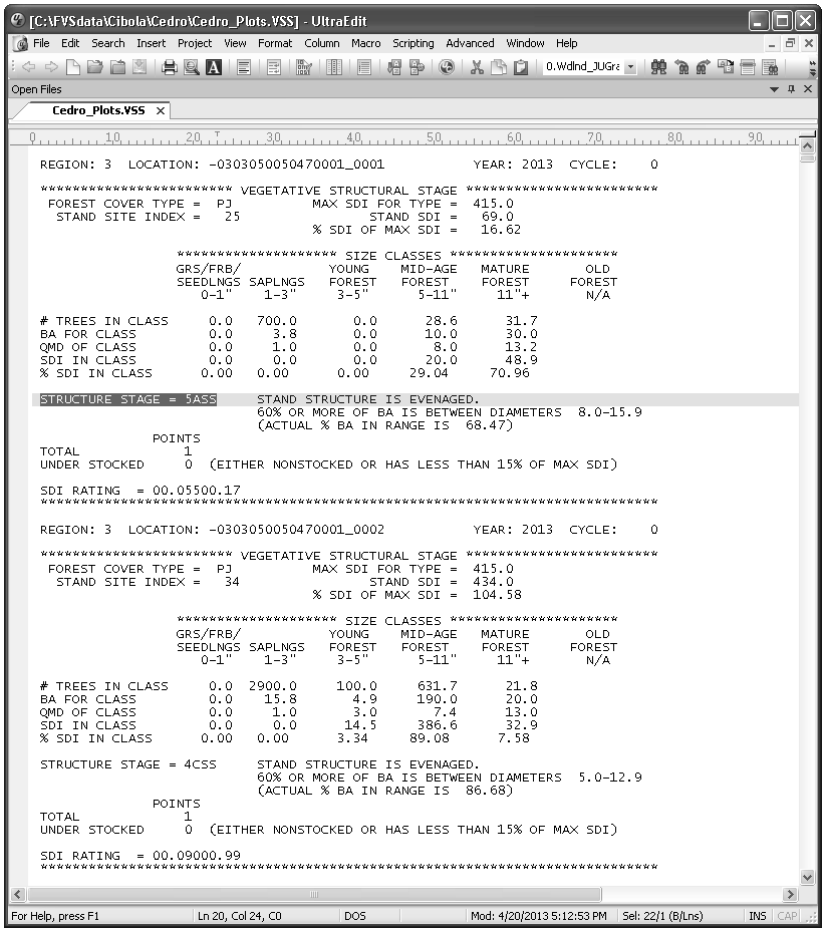
52. Review the "**Options Select by Input**" table for error listings. Make corrections if needed.
53. "**Close**" system editor.



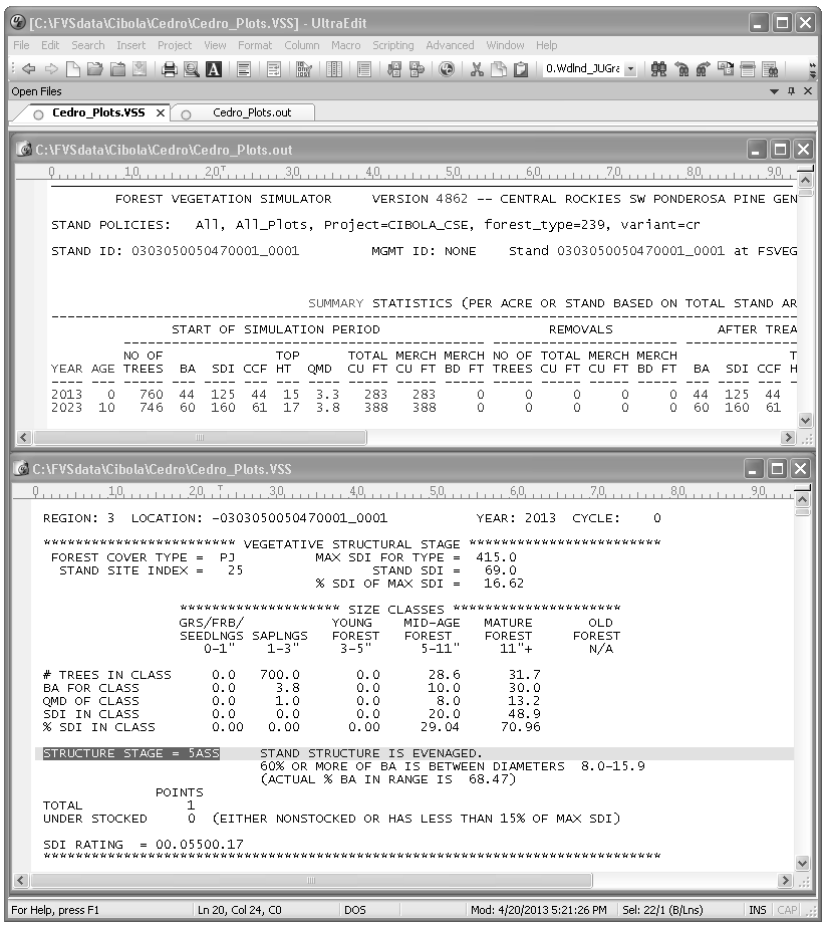
View RMVSS Post Processor Report

54. Review the "**Vegetative Structural Stage**" table. Note the stand number and associated inventory point.

Note: the RMVSS post processing program provides the most detail regarding the VSS computation. Subtotals by structural stage class for the number of trees, basal area, quadratic-mean-diameter, stand density index, and percent stand density index are displayed. The computed ***Structural Stage*** is presented. Successive stand/plots follow in the listing.



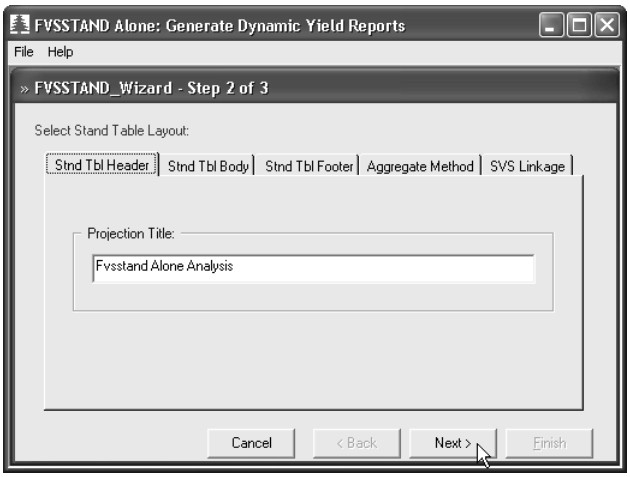
55. Compare values in the "**Vegetative Structural Stage**" table with the "**Summary Statistics**" table from the FVS Main Output Report.
56. "**Close**" system editor.



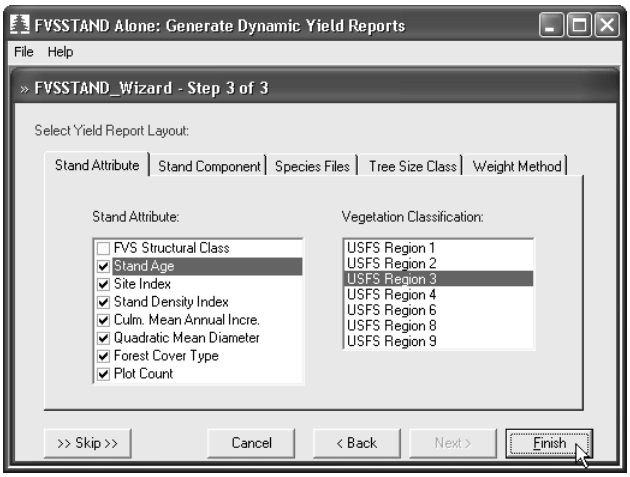
View FVSStand Post Processor Report

57. **Step 2** of the ***FVSStand_Wizard*** will appear on the screen. Default configurations should suffice. Click the "**Next**" button.

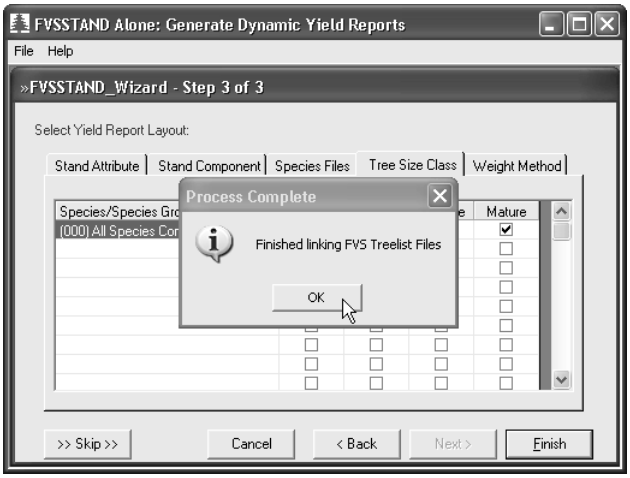
    Users can run FVSStand outside of the Suppose interface {i.e. Alone} in which case, Step 1 of the FVSStand_Wizard will prompt for the location of the FVSStand Treelist file.



58. **Step 3** of the ***FVSStand_Wizard*** will appear next on the screen. Select the appropriate "USFS Region" under the "Vegetation Classification" header. Default values should suffice. Click the "**Finish**" button.



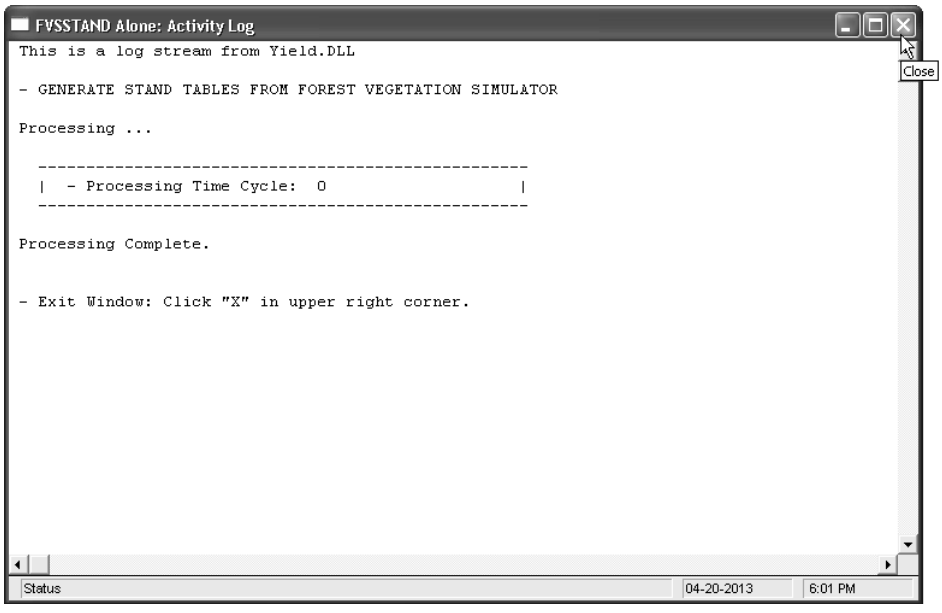
59. When prompted by the "**Process Complete**" message box that FVSStand is "***Finished linking FVS Treelist Files***", click the "**Ok**" button to continue.

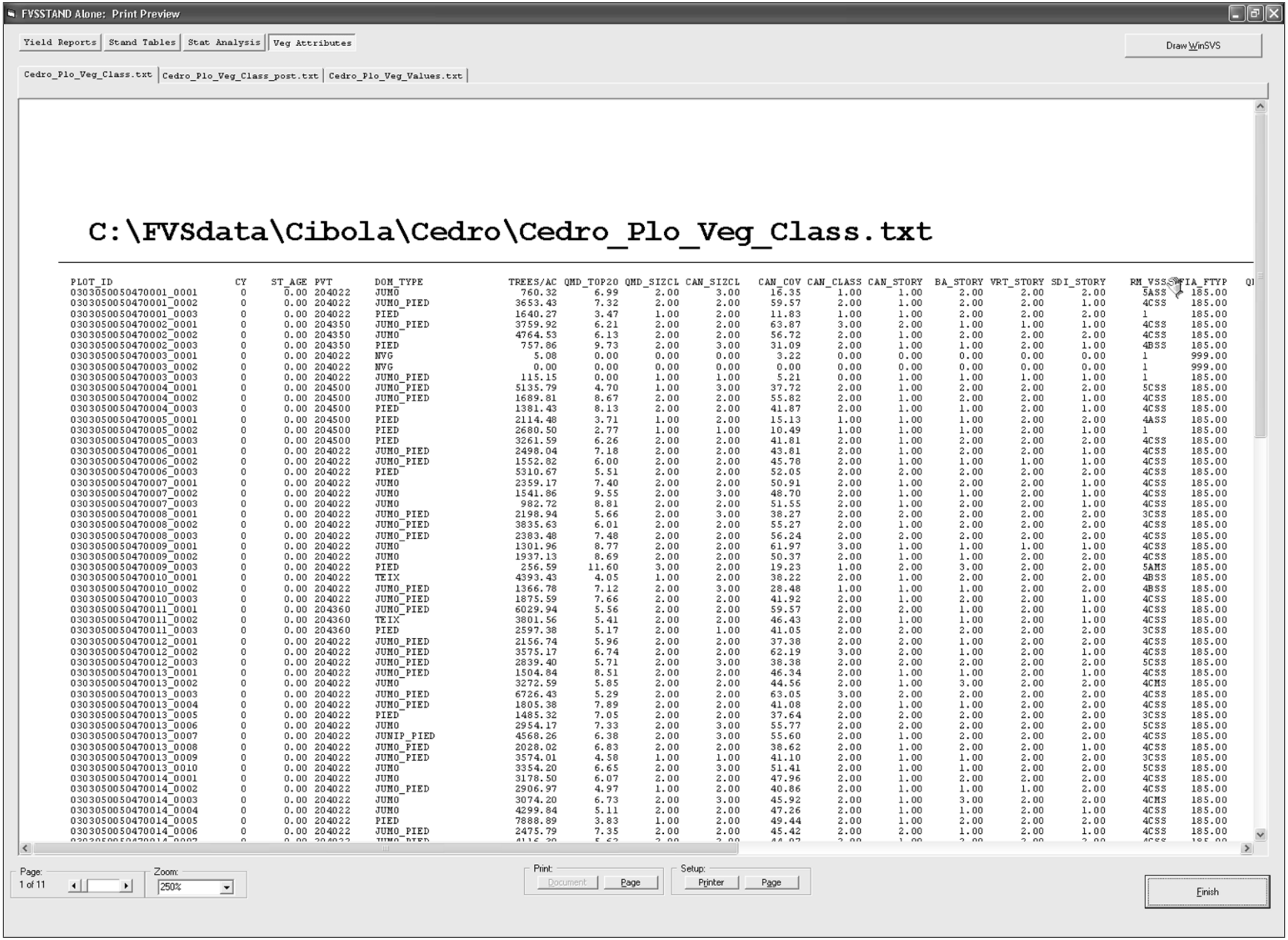


60. The FVSStand "**Activity Log**" window will appear next on the screen. As directed, click the "**X**" in the ***upper right corner of the window*** to continue.

61. The FVSStand "**Print Preview**" window will appear next on the screen. Click "**Veg Attributes**" tab on the upper left menu strip.

62. The "**RM_VSS**" column is displayed toward the right of the print preview window.

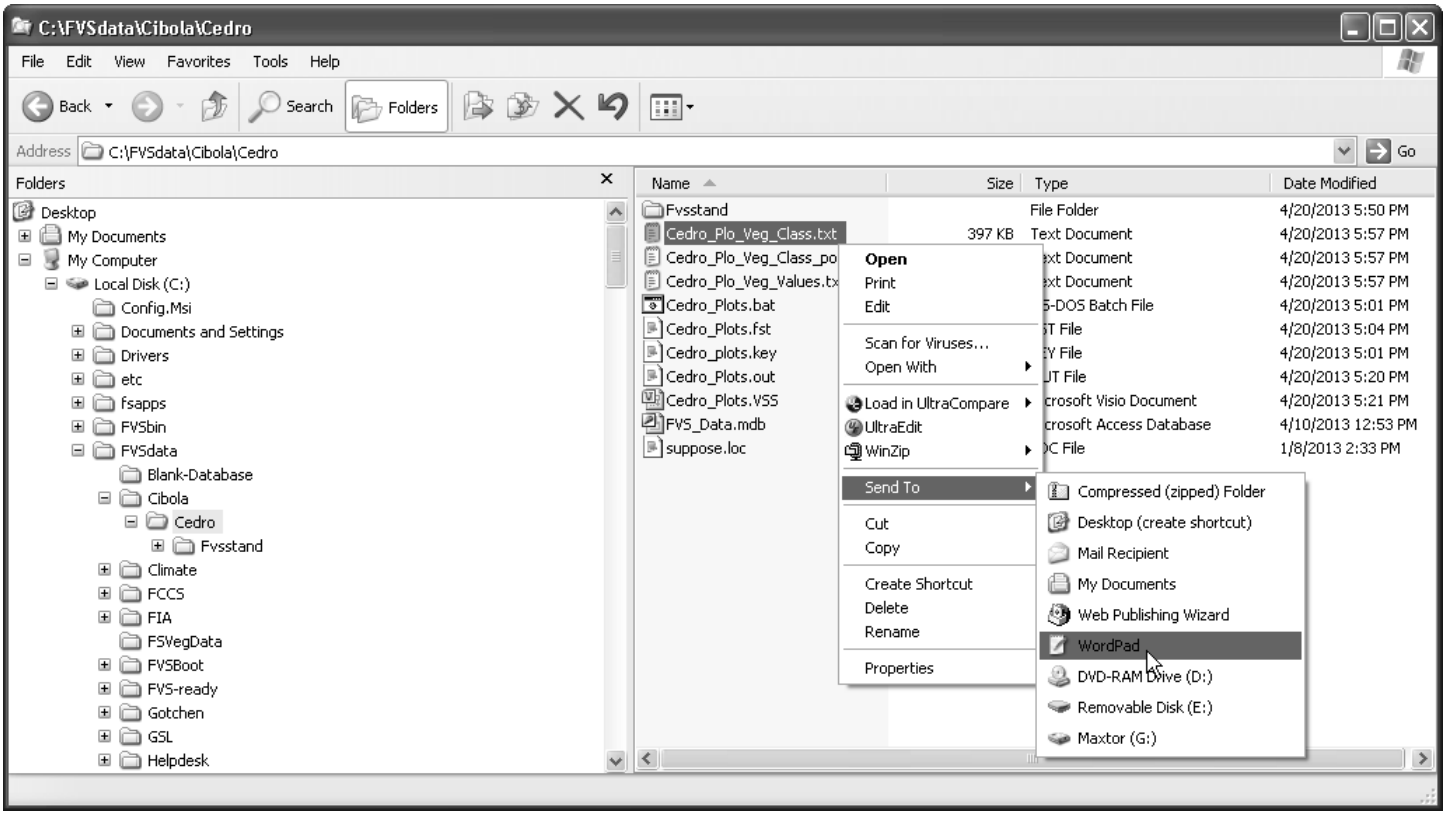




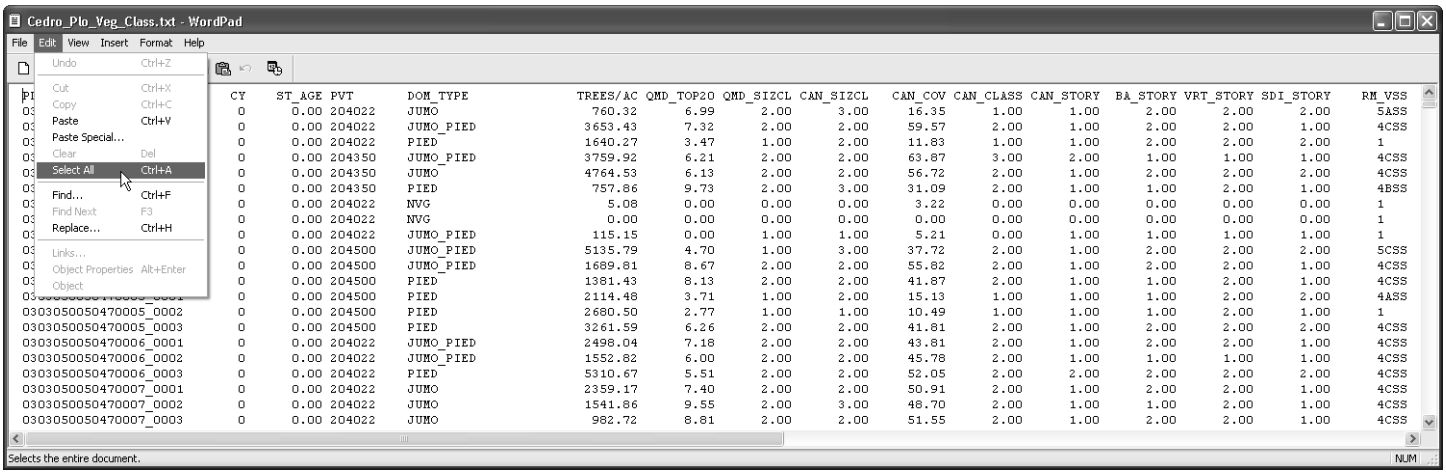
63. Click the "**Finish**" button.

Import FVSStand Veg_Class Report into a Spreadsheet

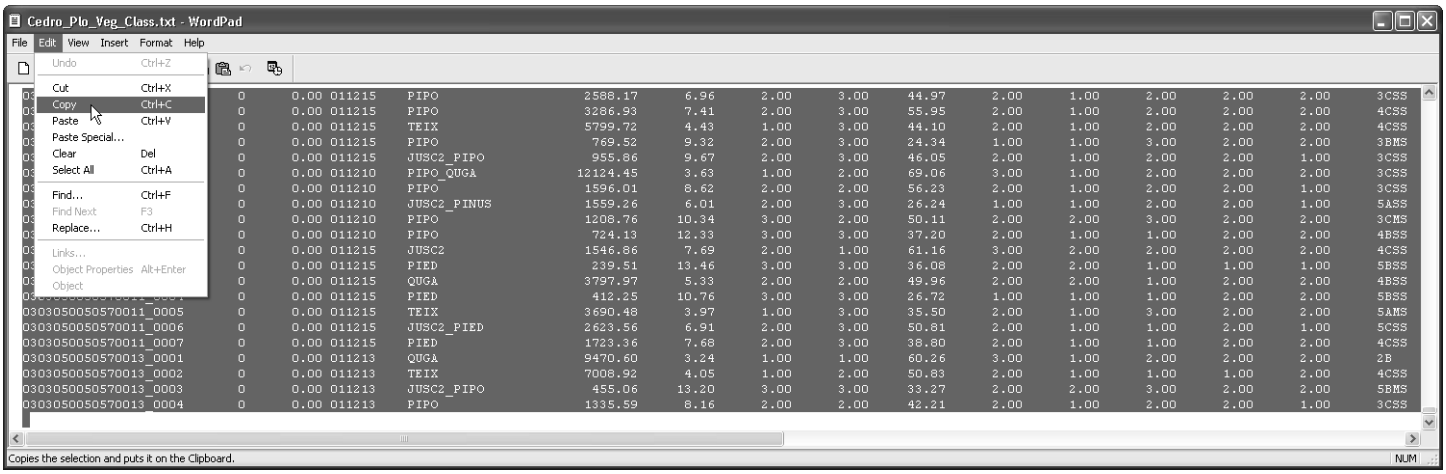
64. Navigate to your working folder. Open the "{Keyword_Filename}_Veg_Class.txt" file (e.g. Cedro_Plo_Veg_Class.txt) in your favorite text editor.



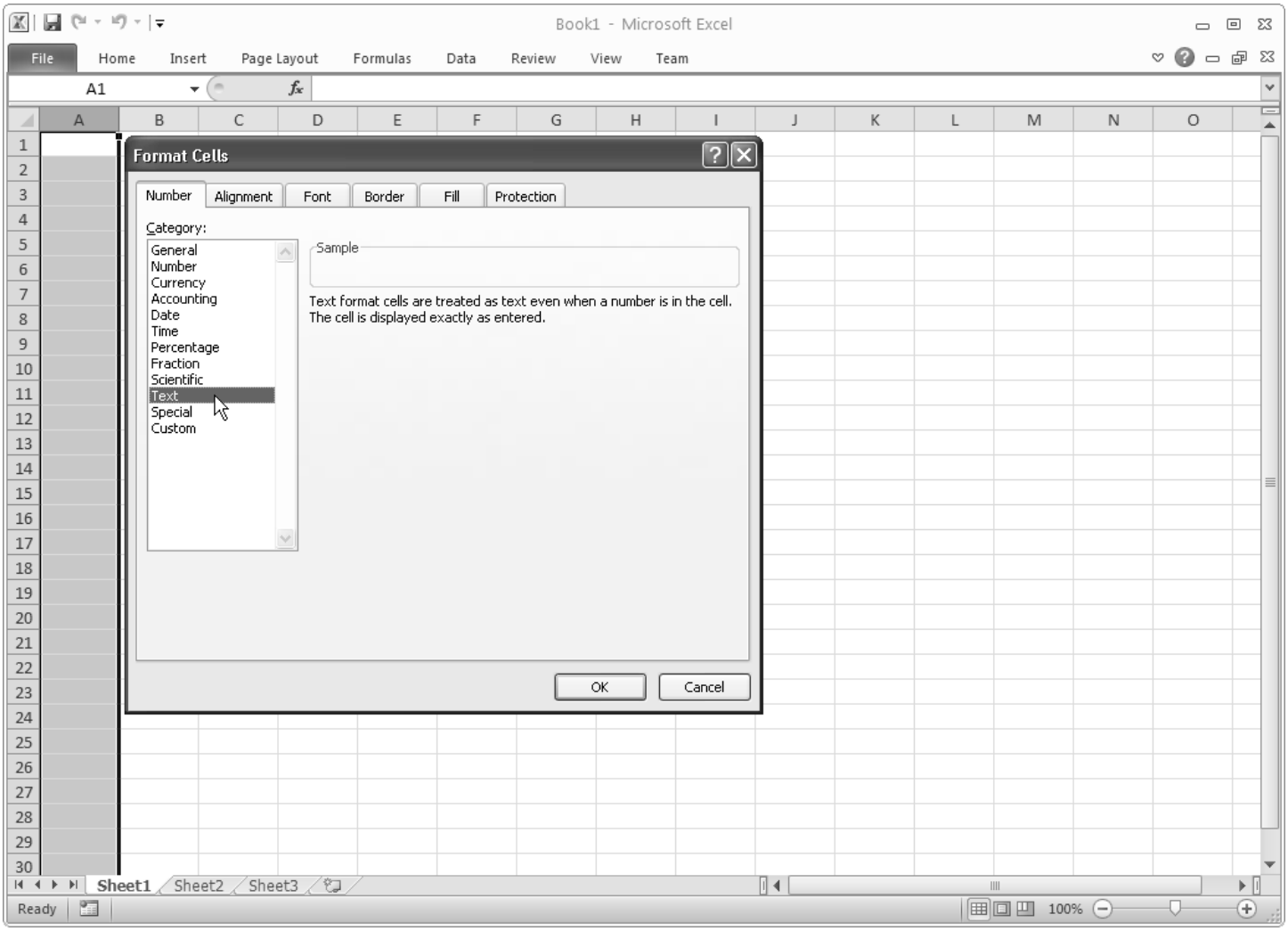
65. From the "**File**" menu, click the "**Select All**" option.



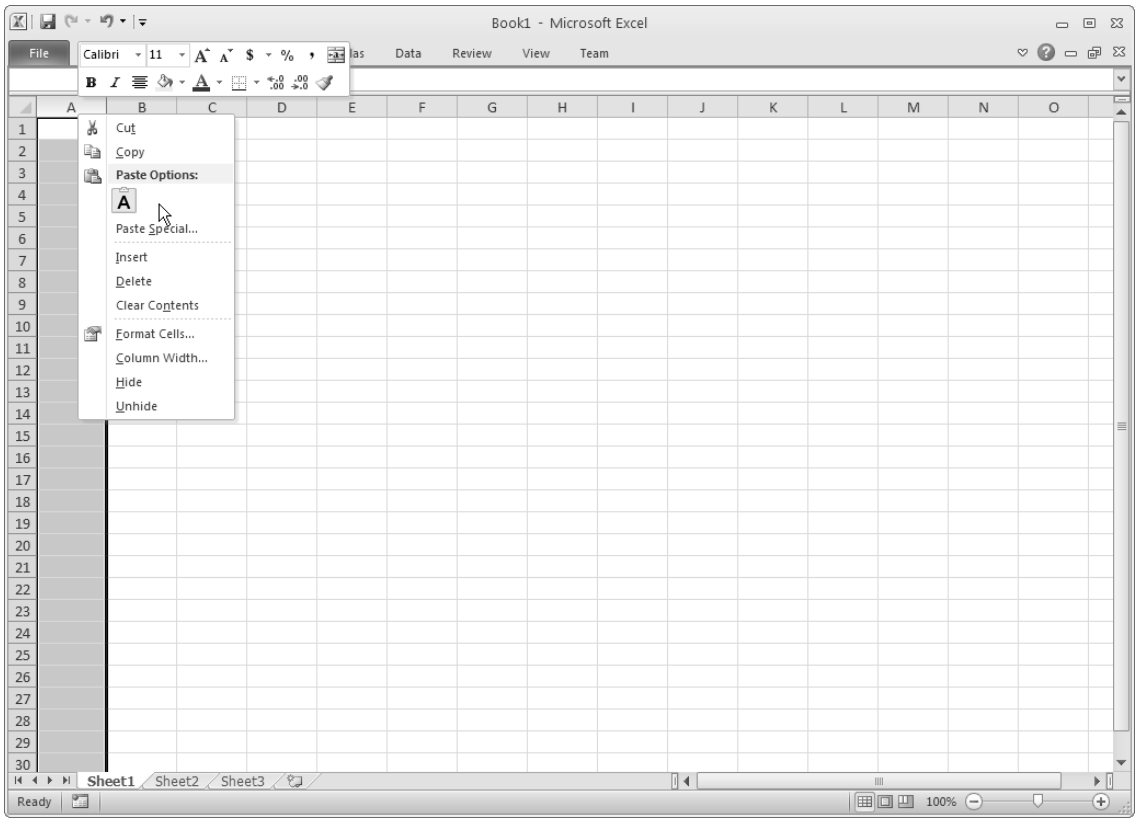
66. From the "**Edit**" menu, click the "**Copy**" option. "**Minimize**" your text editor.



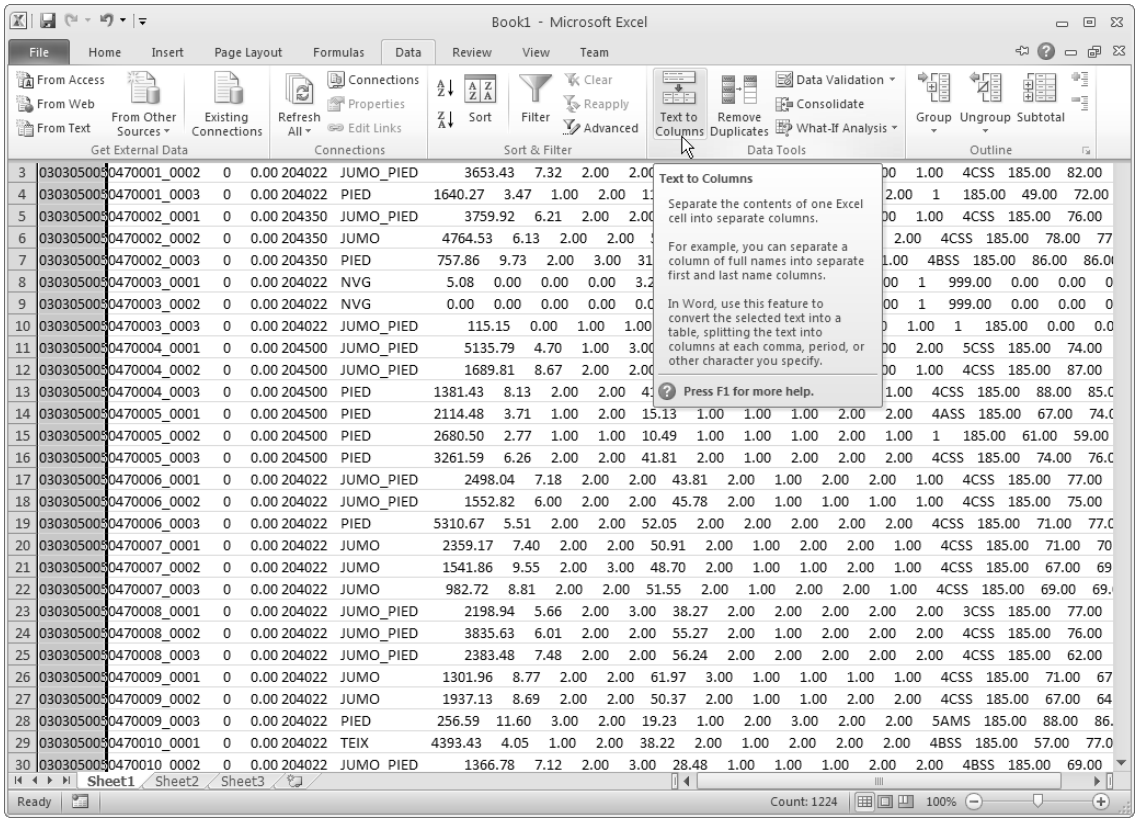
67. Open "**MS-Excel**".
68. Format cells in "**Column A**" as "**Text**". To do so, click the "**A**" above the left-most column to highlight the entire column. Right mouse click to display a quick-pick pop-up menu. Click "**Format Cells…**".



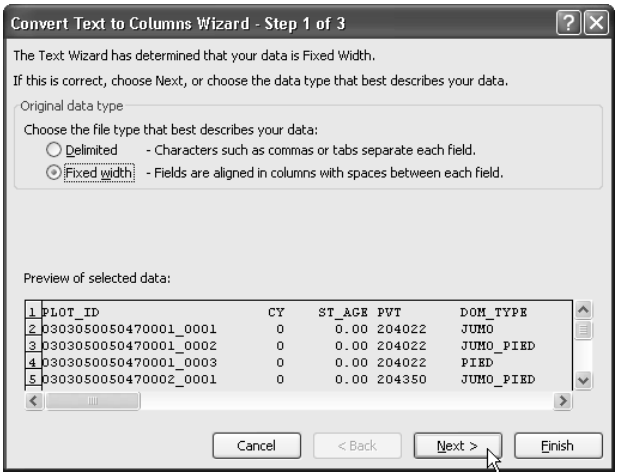
69. Right mouse click while in "**Column A**". A quick-pick pop-up menu will appear. Gently slide your mouse down the option list passed the "***Paste Options***" to the **"A"** symbol and select this icon.



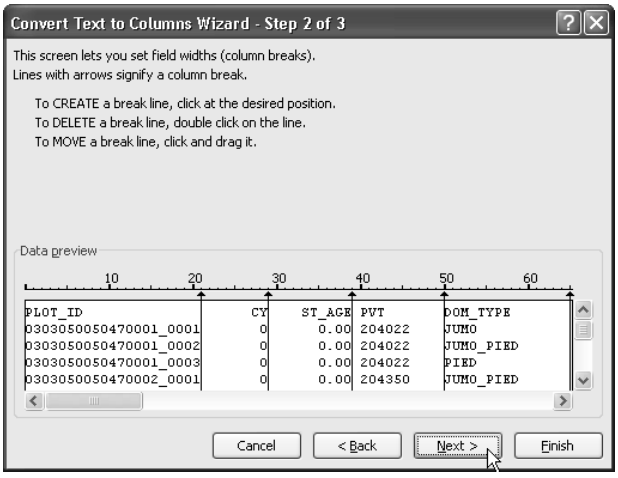
70. Choose "**OK**" to the Microsoft Excel message regarding "*Data on the Clipboard is not the same size and shape as the selected area. Do you want to paste the data anyway?*"
71. Click the "Data" menu. Choose the "Text to Columns" option.



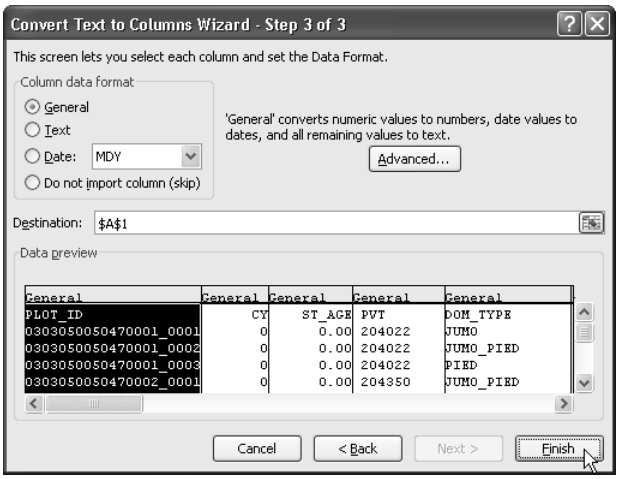
72. **Step 1** of the "**Convert Text to Column Wizard**" will appear on the screen. Choose "**Fixed width**" to properly parse the text into spreadsheet columns. Click "**Next**".



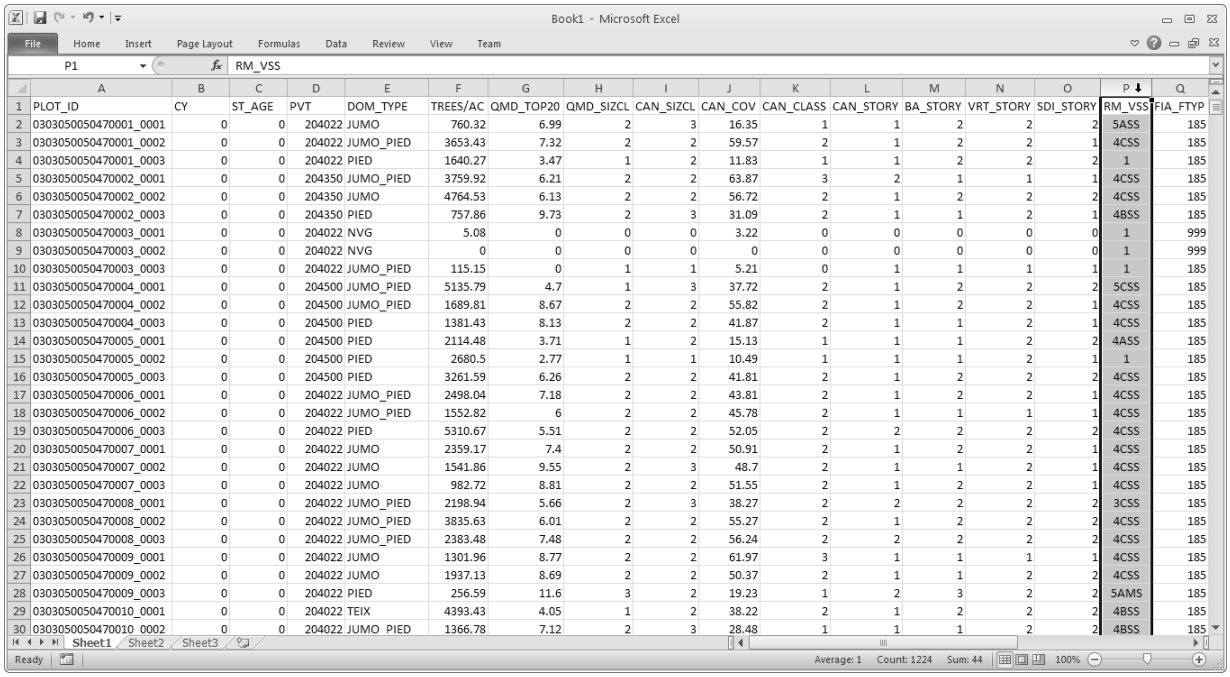
73. **Step 2** of the "**Convert Text to Column Wizard**" will appear on the screen. Verify that the various text fields are divided appropriately. You can adjust by using the mouse to move the lined-arrow. When satisfied all is correct, click "**Next**".



74. **Step 3** of the "**Convert Text to Column Wizard**" will appear on the screen. You can review and set the format of each column by clicking the heading of the column and choosing the appreciate format option. When satisfied all is correct, click "**Finish**".



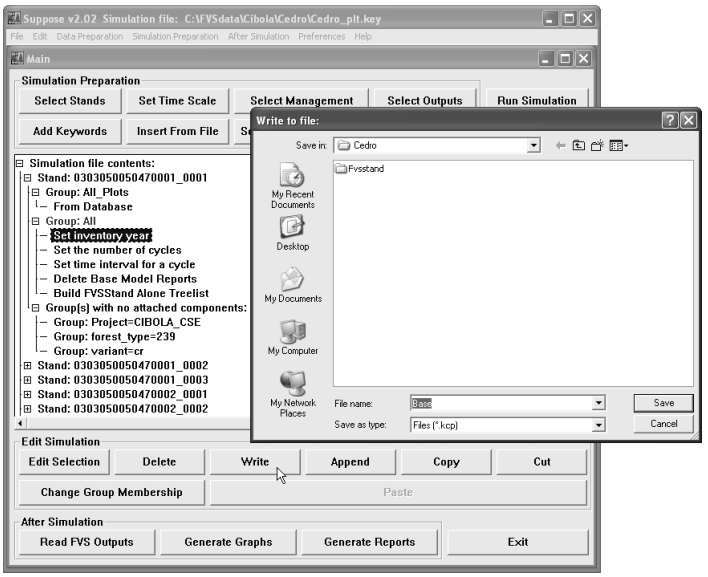
75. Now that your data is separated into columns, you can find "**RM_VSS**" in "**Column P**". You can format Column P as "**Text**" and center the data if you wish. "**Close**" your text editor.



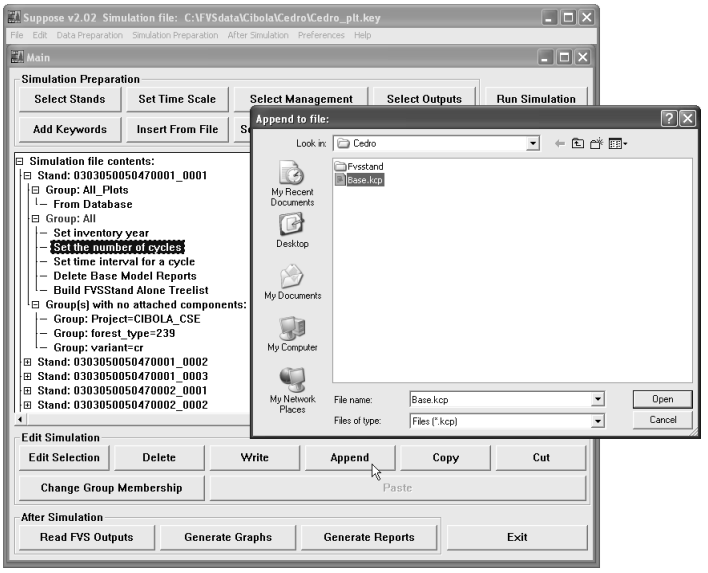
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	PLOT_ID	CY	ST_AGE	PVT	DOM_TYPE	TREES/AC	QMD_TOP20	QMD_SIZCL	CAN_SIZCL	CAN_COV	CAN_CLASS	CAN_STORY	BA_STORY	VRT_STORY	SDI_STORY	RM_VSS	FIA_FTYP
2	03030500050470001_0001	0	0	204022	JUMO	760.32	6.99	2	3	16.35	1	1	2	2	2	5ASS	185
3	03030500050470001_0002	0	0	204022	JUMO_PIED	3653.43	7.32	2	2	59.57	2	1	2	2	1	4CSS	185
4	03030500050470001_0003	0	0	204022	PIED	1640.27	3.47	1	2	11.83	1	1	2	2	2	1	185
5	03030500050470002_0001	0	0	204350	JUMO_PIED	3759.92	6.21	2	2	63.87	3	2	1	1	1	4CSS	185
6	03030500050470002_0002	0	0	204350	JUMO	4764.53	6.13	2	2	56.72	2	1	2	2	2	4CSS	185
7	03030500050470002_0003	0	0	204350	PIED	757.86	9.73	2	3	31.09	2	1	1	2	1	4BSS	185
8	03030500050470003_0001	0	0	204022	NVG	5.08	0	0	0	3.22	0	0	0	0	0	1	999
9	03030500050470003_0002	0	0	204022	NVG	0	0	0	0	0	0	0	0	0	0	1	999
10	03030500050470003_0003	0	0	204022	JUMO_PIED	115.15	0	1	1	5.21	0	1	1	1	1	1	185
11	03030500050470004_0001	0	0	204500	JUMO_PIED	5135.79	4.7	1	3	37.72	2	1	2	2	2	5CSS	185
12	03030500050470004_0002	0	0	204500	JUMO_PIED	1689.81	8.67	2	2	55.82	2	1	2	2	1	4CSS	185
13	03030500050470004_0003	0	0	204500	PIED	1381.43	8.13	2	2	41.87	2	1	1	2	1	4CSS	185
14	03030500050470005_0001	0	0	204500	PIED	2114.48	3.71	1	2	15.13	1	1	1	2	2	4ASS	185
15	03030500050470005_0002	0	0	204500	PIED	2680.5	2.77	1	1	10.49	1	1	1	2	1	1	185
16	03030500050470005_0003	0	0	204500	PIED	3261.59	6.26	2	2	41.81	2	1	2	2	2	4CSS	185
17	03030500050470006_0001	0	0	204022	JUMO_PIED	2498.04	7.18	2	2	43.81	2	1	2	2	1	4CSS	185
18	03030500050470006_0002	0	0	204022	JUMO_PIED	1552.82	6	2	2	45.78	2	1	1	1	1	4CSS	185
19	03030500050470006_0003	0	0	204022	PIED	5310.67	5.51	2	2	52.05	2	2	2	2	2	4CSS	185
20	03030500050470007_0001	0	0	204022	JUMO	2359.17	7.4	2	2	50.91	2	1	2	2	1	4CSS	185
21	03030500050470007_0002	0	0	204022	JUMO	1541.86	9.55	2	3	48.7	2	1	1	2	1	4CSS	185
22	03030500050470007_0003	0	0	204022	JUMO	982.72	8.81	2	2	51.55	2	1	2	2	1	4CSS	185
23	03030500050470008_0001	0	0	204022	JUMO_PIED	2198.94	5.66	2	3	38.27	2	2	2	2	2	3CSS	185
24	03030500050470008_0002	0	0	204022	JUMO_PIED	3835.63	6.01	2	2	55.27	2	1	2	2	2	4CSS	185
25	03030500050470008_0003	0	0	204022	JUMO_PIED	2383.48	7.48	2	2	56.24	2	2	2	2	2	4CSS	185
26	03030500050470009_0001	0	0	204022	JUMO	1301.96	8.77	2	2	61.97	3	1	1	1	1	4CSS	185
27	03030500050470009_0002	0	0	204022	JUMO	1937.13	8.69	2	2	50.37	2	1	1	2	2	4CSS	185
28	03030500050470009_0003	0	0	204022	PIED	256.59	11.6	3	2	19.23	1	2	3	2	2	5AMS	185
29	03030500050470010_0001	0	0	204022	TEIX	4393.43	4.05	1	2	38.22	2	1	2	2	2	4BSS	185
30	03030500050470010_0002	0	0	204022	JUMO_PIED	1366.78	7.12	2	3	28.48	1	1	1	2	2	4BSS	185

Create Base.kcp Addfile (optional)

76. Select the "**Set inventory year**" entry on the main Suppose window.
77. Click the "**Write**" button toward the lower-middle portion of the Suppose window.
78. The "**Write to file**" window appears. Provide a file name in the text box (i.e. ***Base***).
79. Click the "**Save**" button.



80. Select the "**Set the number of cycles**" entry on the main Suppose window.
81. Click the "**Append**" button toward the lower-middle portion of the Suppose window.
82. The "**Append to file**" window appears. Click the "**Base.kcp**" file.
83. Click the "**Open**" button.
84. Repeat ***Steps 80-83*** for "**Set time interval for a cycle**", "**Delete Base Model Report**", and "**Build FVSStand Alone Treelist**" entries.

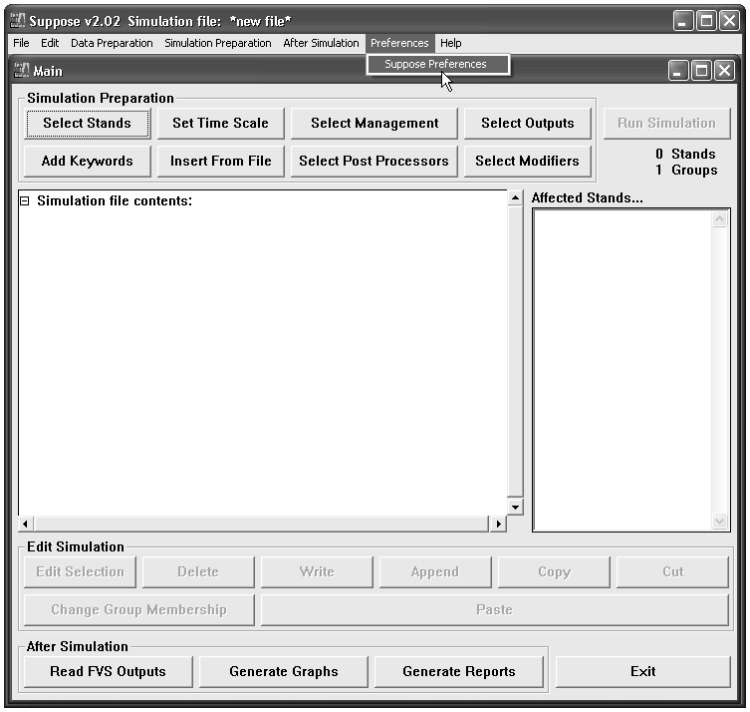


III. FVS/VSS Analysis: At the Forest Stand

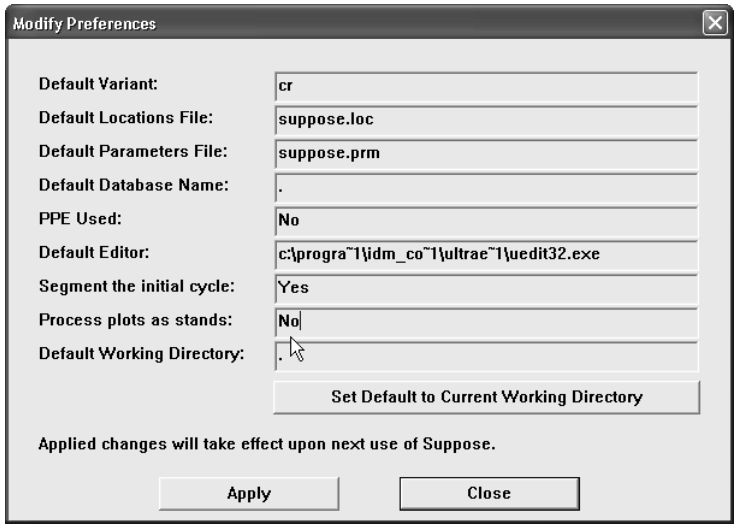
Follow these steps to process individual stands:

Stand Selection (a.k.a. Stand Level - polygon)

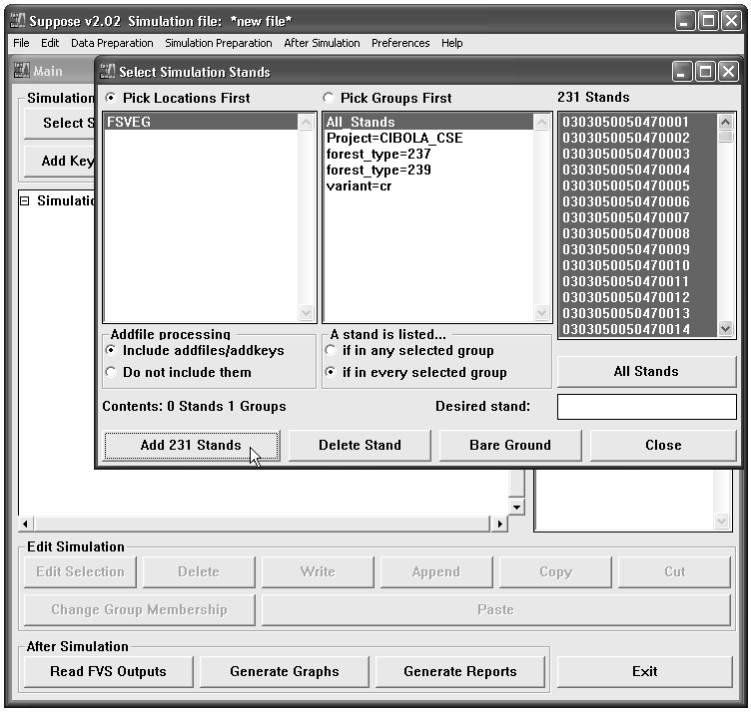
1. Select "**Preferences**" on the main menu bar in Suppose.
2. Select "**Suppose Preferences**" menu option.



3. The "**Process plots as stands**" Suppose preference should be set to "**No**".
4. Click the "**Apply**" button.
5. Click the "**Close**" button to return to the main Suppose window.

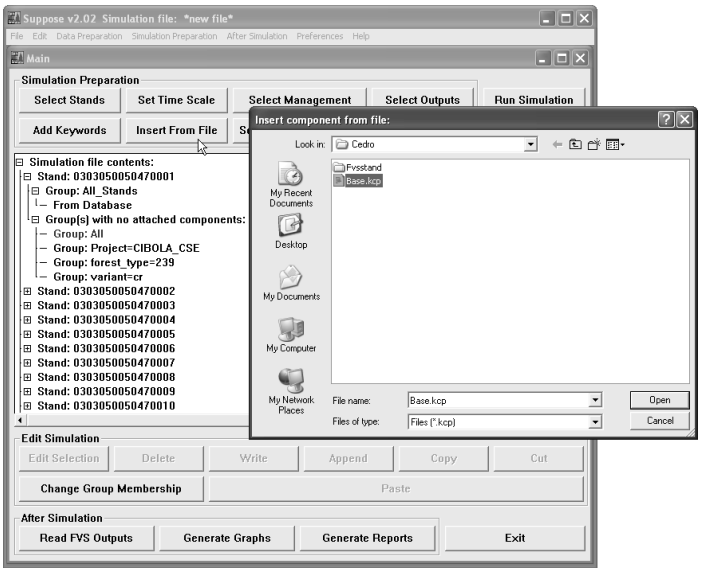


6. Select "**File**" on the main menu bar in Suppose
7. Click "**New**" to clear previous simulation from memory.
8. Select "**File**" on the main menu bar in Suppose.
9. Click "**Open Locations File**".
10. Navigate to your ***project folder*** (i.e. C:\FVSData\Cibola\Cedro).
11. Select the "**Suppose.loc**" file.
12. Click the "**Open**" button.
13. In the left window pane, under the "Pick Locations First" header, select "**FSVEG**".
14. In the middle window pane, under the "Pick Groups First header, select "**All_Stands**".
15. In the right window pane, click the "**All Stands**" button to select all inventory points.
16. Click the "**Add ### Stands**" button.
17. Click the "**Close**" button.

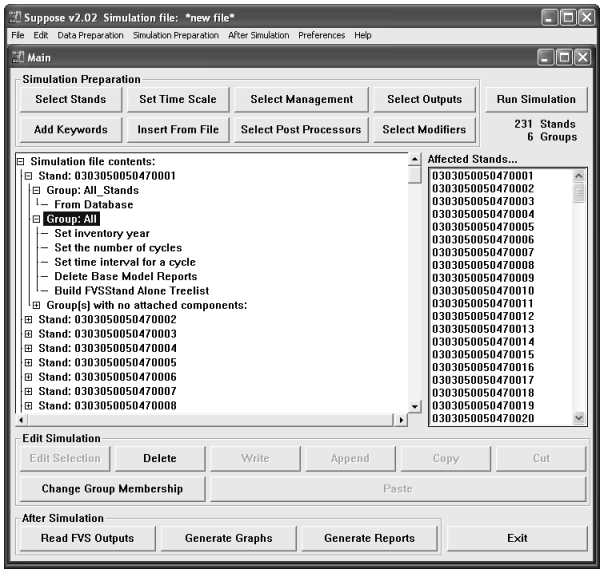


Insert Base.kcp Addfile (optional)

18. Click the "**Insert From File**" button on the main Suppose window to include keyword entries created during the "***Within Stand Level***" run.
19. The "**Insert component from file**" window will appear. Select "**Base.kc**p".
20. Click "**Open**".



21. The "**Set inventory year**", "**Set the number of cycles**", "**Set time interval for a cycle**", "**Delete Model Report**", and "**Build FVSStand Alone Treelist**" entries are inserted under the "***Group:All***" label.



Base

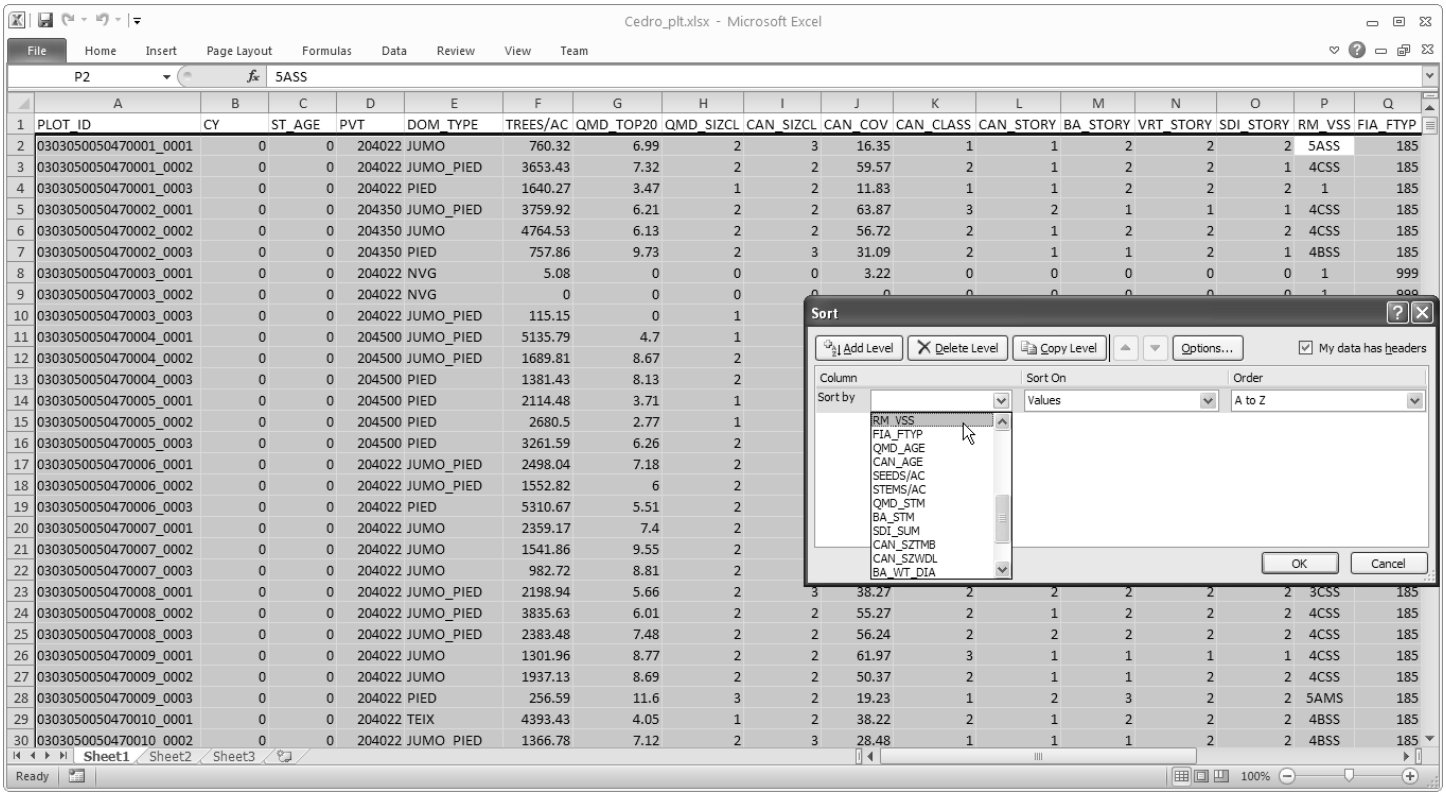
Note: The "***Stand Level***" processing is exactly the same as the "***Within Stand Level***" processing procedures. Pick up the individual steps beginning with **Step 41 on Page 4 - *Select Post Processors*** of this document.

IV. FVS/VSS Analysis: Amongst Many Forest Stands

Follow these steps to process many stands:

Multiple Stand Selection (a.k.a. Project Level – component, watershed)

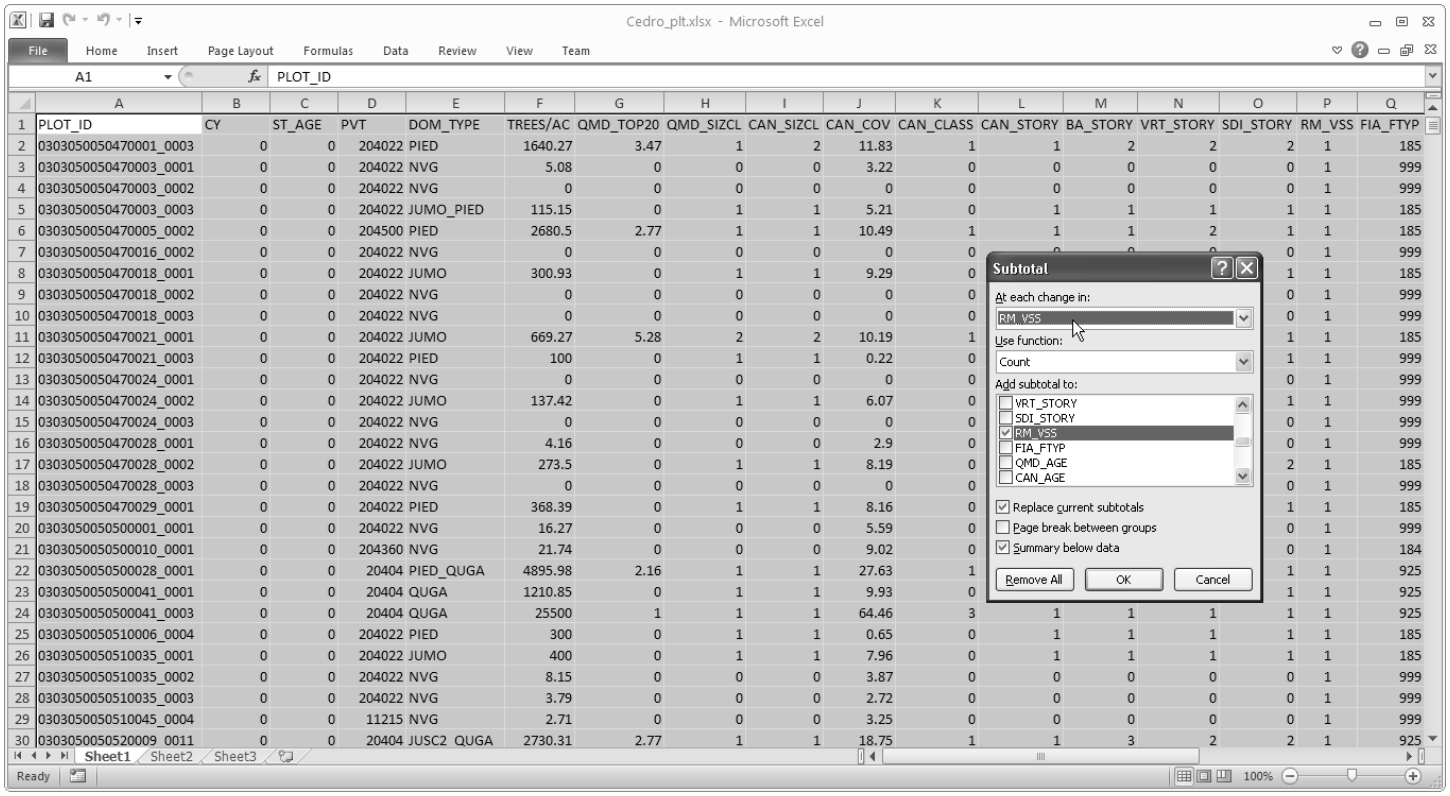
1. **Navigate** to your ***working folder***.
2. **Open** the ***spreadsheet*** containing the ***individual inventory point data*** (i.e. Cedro_plt.xlsx).
3. Position mouse in ***Row 1*** of "**RM_VSS**" column, highlight its title.
4. Click "**Data**" menu, "**Sort**" icon.
5. Click down arrow of "**Sort by**" text box and choose "**RM_VSS**".



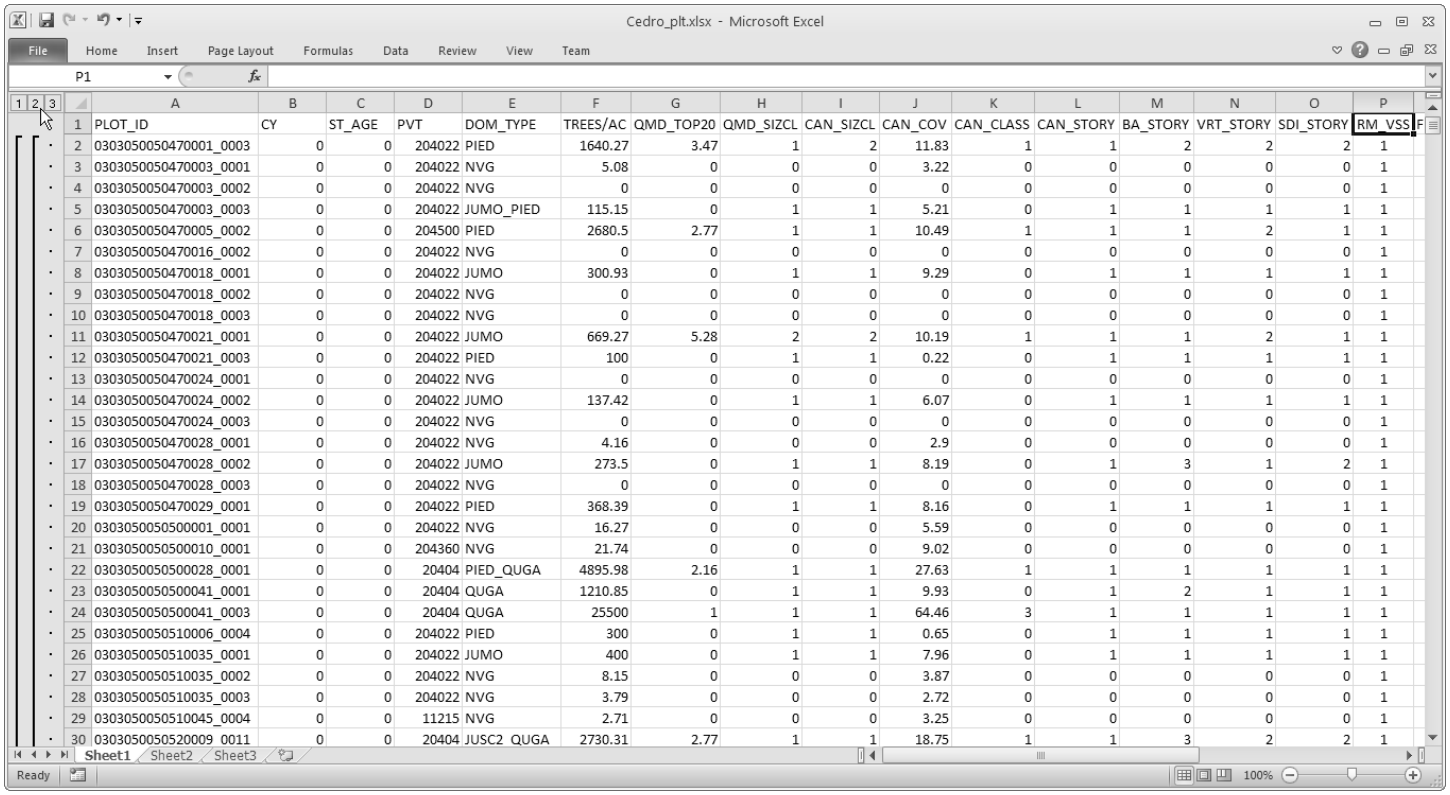
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	PLOT_ID	CY	ST_AGE	PVT	DOM_TYPE	TREES/AC	QMD_TOP20	QMD_SIZCL	CAN_SIZCL	CAN_COV	CAN_CLASS	CAN_STORY	BA_STORY	VRT_STORY	SDI_STORY	RM_VSS	FIA_FTYP
2	0303050050470001_0001	0	0	204022	JUMO	760.32	6.99	2	3	16.35	1	1	2	2	2	5ASS	185
3	0303050050470001_0002	0	0	204022	JUMO_PIED	3653.43	7.32	2	2	59.57	2	1	2	2	1	4CSS	185
4	0303050050470001_0003	0	0	204022	PIED	1640.27	3.47	1	2	11.83	1	1	2	2	2	1	185
5	0303050050470002_0001	0	0	204350	JUMO_PIED	3759.92	6.21	2	2	63.87	3	2	1	1	1	4CSS	185
6	0303050050470002_0002	0	0	204350	JUMO	4764.53	6.13	2	2	56.72	2	1	2	2	2	4CSS	185
7	0303050050470002_0003	0	0	204350	PIED	757.86	9.73	2	3	31.09	2	1	1	2	1	4BSS	185
8	0303050050470003_0001	0	0	204022	NVG	5.08	0	0	0	3.22	0	0	0	0	0	1	999
9	0303050050470003_0002	0	0	204022	NVG	0	0	0	0	0	0	0	0	0	0	1	999
10	0303050050470003_0003	0	0	204022	JUMO_PIED	115.15	0	1									
11	0303050050470004_0001	0	0	204500	JUMO_PIED	5135.79	4.7	1									
12	0303050050470004_0002	0	0	204500	JUMO_PIED	1689.81	8.67	2									
13	0303050050470004_0003	0	0	204500	PIED	1381.43	8.13	2									
14	0303050050470005_0001	0	0	204500	PIED	2114.48	3.71	1									
15	0303050050470005_0002	0	0	204500	PIED	2680.5	2.77	1									
16	0303050050470005_0003	0	0	204500	PIED	3261.59	6.26	2									
17	0303050050470006_0001	0	0	204022	JUMO_PIED	2498.04	7.18	2									
18	0303050050470006_0002	0	0	204022	JUMO_PIED	1552.82	6	2									
19	0303050050470006_0003	0	0	204022	PIED	5310.67	5.51	2									
20	0303050050470007_0001	0	0	204022	JUMO	2359.17	7.4	2									
21	0303050050470007_0002	0	0	204022	JUMO	1541.86	9.55	2									
22	0303050050470007_0003	0	0	204022	JUMO	982.72	8.81	2									
23	0303050050470008_0001	0	0	204022	JUMO_PIED	2198.94	5.66	2	3	38.27	2	2	2	2	2	3CSS	185
24	0303050050470008_0002	0	0	204022	JUMO_PIED	3835.63	6.01	2	2	55.27	2	1	2	2	2	4CSS	185
25	0303050050470008_0003	0	0	204022	JUMO_PIED	2383.48	7.48	2	2	56.24	2	2	2	2	2	4CSS	185
26	0303050050470009_0001	0	0	204022	JUMO	1301.96	8.77	2	2	61.97	3	1	1	1	1	4CSS	185
27	0303050050470009_0002	0	0	204022	JUMO	1937.13	8.69	2	2	50.37	2	1	1	2	2	4CSS	185
28	0303050050470009_0003	0	0	204022	PIED	256.59	11.6	3	2	19.23	1	2	3	2	2	5AMS	185
29	0303050050470010_0001	0	0	204022	TEIX	4393.43	4.05	1	2	38.22	2	1	2	2	2	4BSS	185
30	0303050050470010_0002	0	0	204022	JUMO_PIED	1366.78	7.12	2	3	28.48	1	1	1	2	2	4BSS	185

6. Click the "OK" button of the "Sort" window.

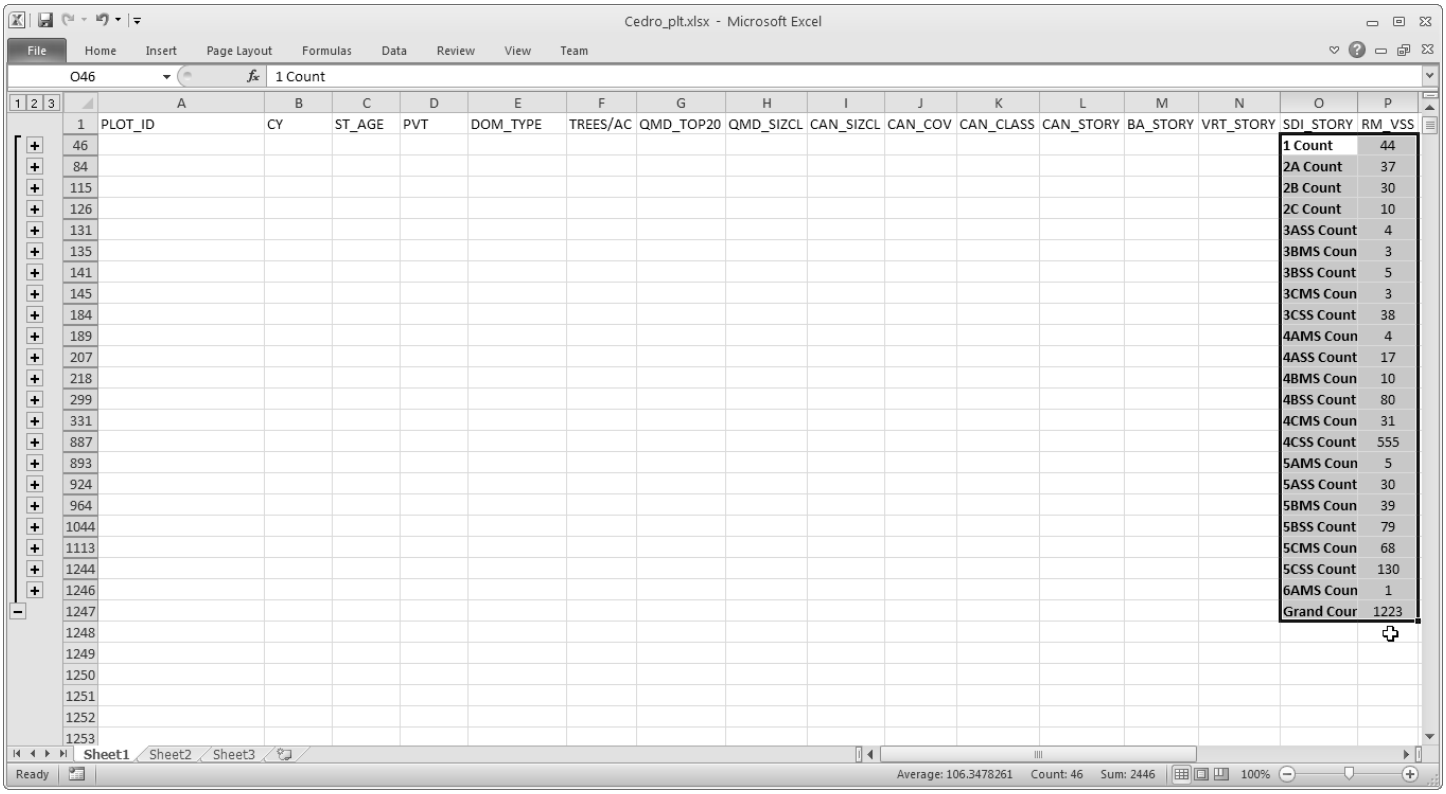
7. Click "**Data**" menu, "**Subtotal**" icon.
8. Under "**Add subtotal to**" listing, click checkmark next to "**PROJ_YEAR**" to deselect.
9. Scroll up to the "**RM_VSS**" item and select to check.
10. Under "**Use function**" listing, use the down arrow in the text box to select the "**Count**" option.
11. Under "**At each change in**" listing, use the down arrow in the text box to select the "**RM_VSS**" option.
12. Click the "OK" button.



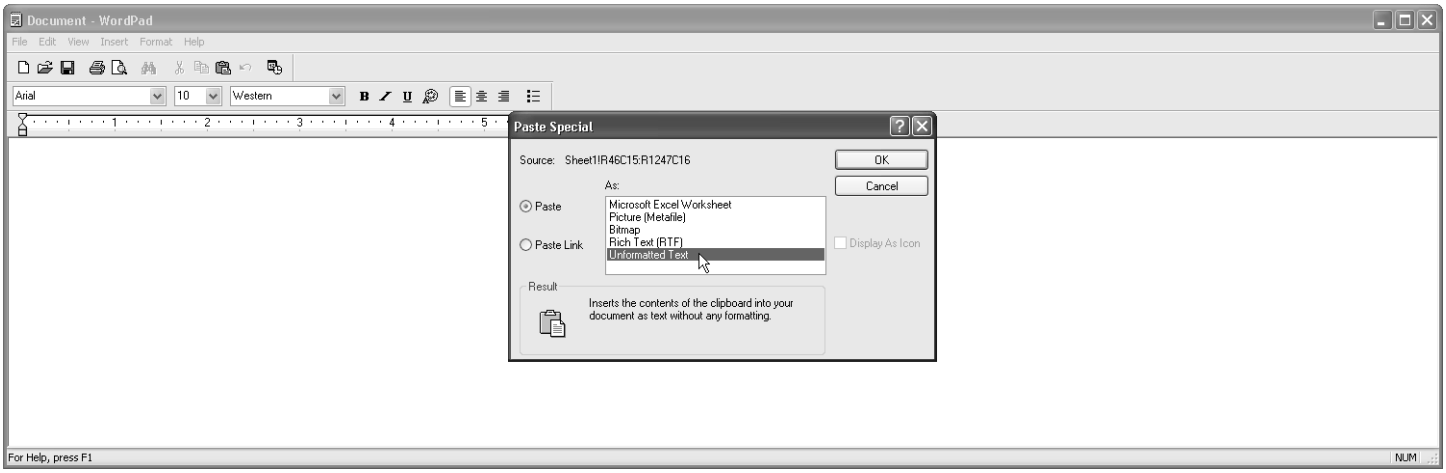
13. Click the "**2**" button located on the left corner of the subtotal spreadsheet.



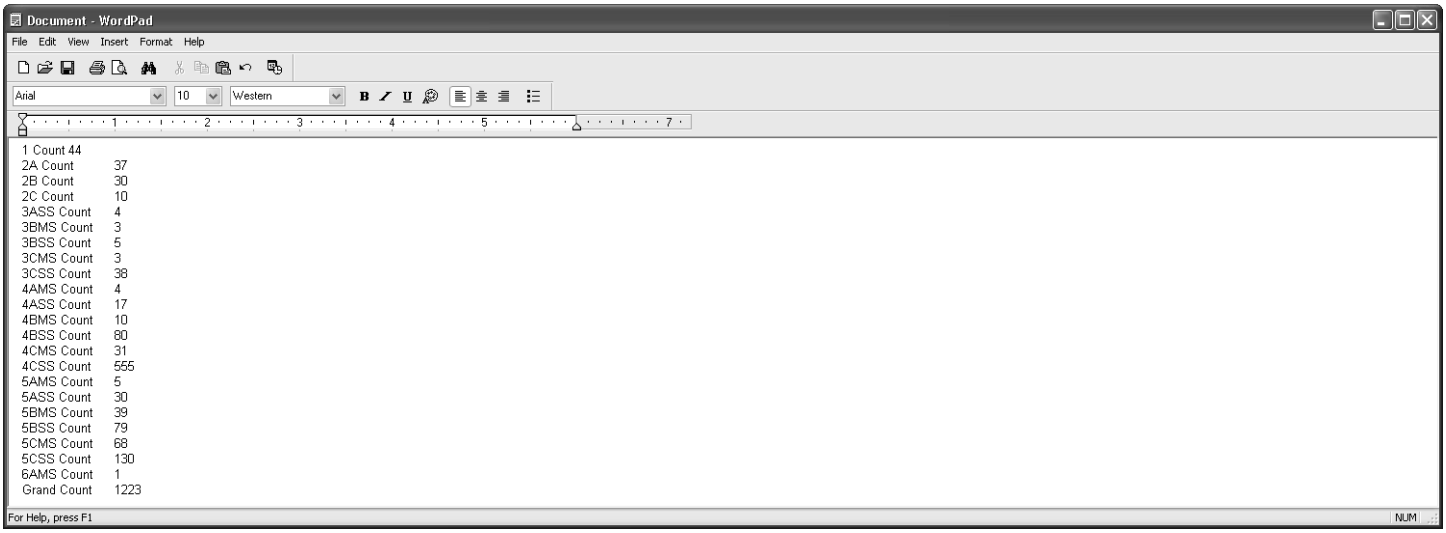
14. Column “O” contains the number of inventory point by VSS class.



15. To edit the subtotals, ***select*** associated columns and rows. Right mouse ***click*** to ***pop menu***. Click “**Copy**”.



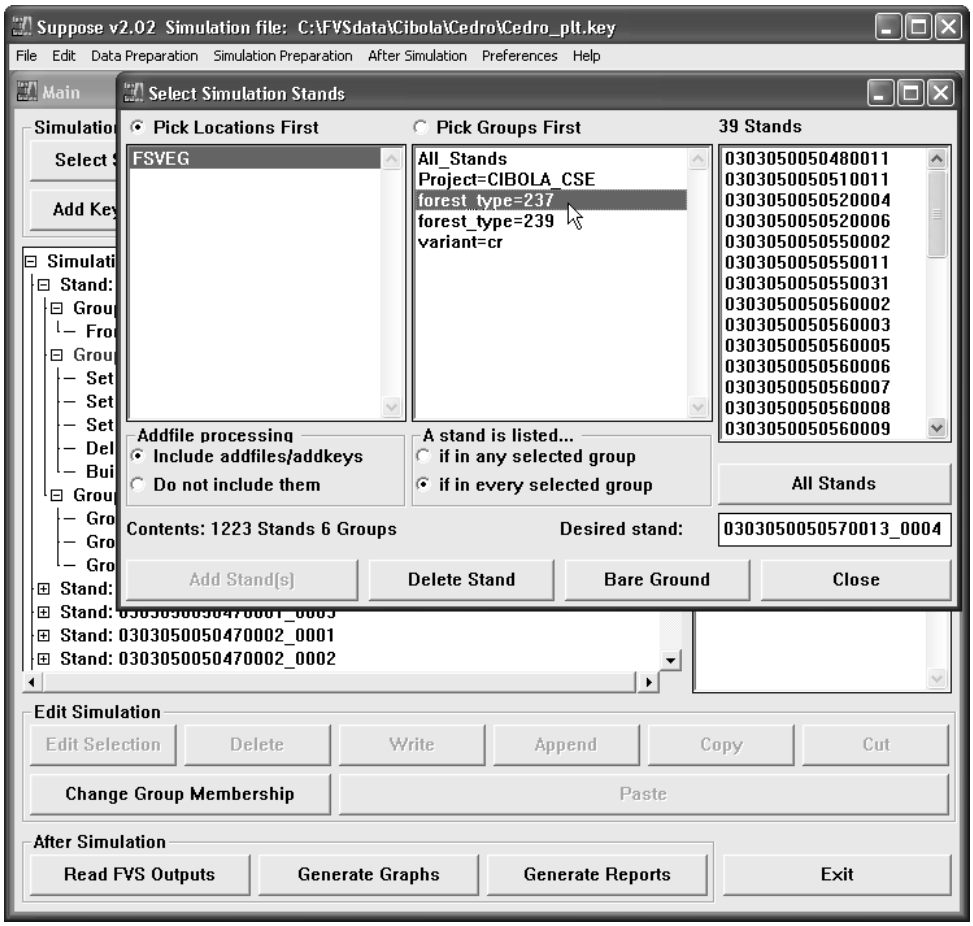
16. In WordPad, “**Edit**” menu, “**Paste Special**”, “**Unformatted Text**”.



17. There is a hard “Tab” character between the “Count” label and inventory plot count.
18. Simply use the “Delete” key on your keyboard to remove.
19. Replace with a “Space” key on your keyboard.
20. Values can now be copy and paste into MS-Word or MS-Excel for further processing.

Considerations:

1. RM_VSS by Forest Type:



2. FSVeg Forest Type = Society of American Foresters Classification.

Forest Cover Types of the Society of American Foresters (SAF)

Code	Description	Code	Description
00	Non Forest Ttypes	16	Aspen
01	Jack Pine	17	Pin cherry
05	Balsam Fir	18	Paper birch
12	Black Spruce	19	Gray birch-red maple
13	Black spruce – tamarack	20	White pine-northern red oak-red maple
14	Northern pin oak	21	Eastern white pine
15	Red pine	22	Eastern pine-hemlock

Forest Cover Types of the Society of American Foresters (SAF) (cont.)

Code	Description	Code	Description
23	Eastern hemlock	76	Shortleaf pine-oak
24	Hemlock-yellow birch	79	Virginia pine
25	Sugar maple-beech-yellow birch	80	Loblolly pine- shortleaf pine
26	Sugar maple-basswood	81	Loblolly pine
27	Sugar maple	83	Longleaf pine- slash pine
28	Black cherry-maple	84	Slash pine
30	Red spruce-yellow birch	98	Pond pine
31	Red spruce-sugar maple-beech	108	Red maple
32	Red spruce	111	South Florida slash pine
33	Red spruce-balsam fir	201	White spruce
34	Red spruce-Fraser fir	203	Balsam poplar
35	Paper birch-red spruce-balsam fir	205	Mountain hemlock
37	Northern white-cedar	206	Engelmann spruce - subalpine fir
38	Tamarack	208	Whitebark pine
39	Black ash-American elm-red maple	209	Bristlecone pine
40	Post oak-blackjack oak	210	Interior Douglas-fir
42	Bur oak	211	White fir- limber pine
43	Bear oak	211	White fir
44	Chestnut oak	212	Western larch
45	Pitch pine	213	Grand fir
46	Eastern red cedar	215	Western white pine
50	Black locust	216	Blue spruce
51	White pine-chestnut oak	217	Aspen - Western forests - Middle elevation - Interior
52	White oak-black oak-northern red oak	218	Lodgepole pine
53	White oak	219	Limber pine
55	Northern red oak	220	Rocky Mountain juniper
57	Yellow poplar	224	Western hemlock
58	Yellow poplar - eastern hemlock	225	Western hemlock - Sitka spruce
59	Yellow poplar – white oak - northern red oak	227	Western redcedar - western hemlock
60	Beech-sugar maple	228	Western redcedar
61	River birch - sycamore	230	Douglas-fir - western hemlock
62	Silver maple- American elm	235	Cottonwood - willow
63	Cottonwood	236	Bur oak - Western forests - Low elevation - Interior
64	Sassafras- persimmon	237	Interior ponderosa pine
65	Pin oak - sweetgum	238	Western juniper
66	Ashe juniper-redberry (Pinchot) juniper	239	Pinyon - juniper
67	Mohrs (shin) oak	240	Arizona cypress
68	Mesquite	241	Western live oak
69	Sand pine	242	Mesquite
70	Longleaf pine	251	White spruce - aspen
75	Shortleaf pine	252	Paper birch

3. RM_VSS-Read Output

[F:\R3_FOR~1\VSS\Cedro\Cedro_plt.sdi] - UltraEdit

File Edit Search Insert Project View Format Column Macro Scripting Advanced Window Help

Open Files

Cedro_plt.sdi | Cedro_plt.sum

F:\R3_FOR~1\VSS\Cedro\Cedro_plt.sdi

LOCATION	TYP	VSS RATING FOR UP TO 10 CYCLES (PLUS 0 CYCLE)	SDI RATING FOR UP TO 10 CYCLES (PLUS 0 CYCLE)
0303050050470001_0001	PJ	5ASS	00.05500.17
0303050050470001_0002	PJ	4CSS	00.09000.99
0303050050470001_0003	PJ	1	00.05500.09
0303050050470002_0001	PJ	4CSS	00.28000.99
0303050050470002_0002	PJ	4CSS	00.17201.94
0303050050470002_0003	PJ	4BSS	00.08200.35
0303050050470003_0001	JW	1	00.00090.03
0303050050470003_0002	NC	1	00.00000.00
0303050050470003_0003	PJ	1	00.09000.04
0303050050470004_0001	PJ	5CSS	00.07300.55
0303050050470004_0002	PJ	4CSS	00.18100.87
0303050050470004_0003	PJ	4CSS	00.09100.69
0303050050470005_0001	PJ	4ASS	00.09000.15
0303050050470005_0002	PJ	1	00.06400.09
0303050050470005_0003	PJ	4CSS	00.17200.69
0303050050470006_0001	PJ	4CSS	00.09010.65
0303050050470006_0002	PJ	4CSS	00.28000.99
0303050050470006_0003	PJ	4CSS	00.17200.87
0303050050470007_0001	PJ	4CSS	00.09100.92
0303050050470007_0002	PJ	4CSS	00.27200.85
0303050050470007_0003	PJ	4CSS	00.09000.83
0303050050470008_0001	PJ	3CSS	00.63100.57
0303050050470008_0002	PJ	4CSS	00.17200.79
0303050050470008_0003	PJ	4CSS	00.36100.99
0303050050470009_0001	PJ	4CSS	00.09100.99
0303050050470009_0002	PJ	4CSS	00.18200.91
0303050050470009_0003	PJ	5AMS	00.06040.16
0303050050470010_0001	PJ	4BSS	00.06400.35
0303050050470010_0002	PJ	4BSS	00.06400.34
0303050050470010_0003	PJ	4CSS	00.08200.57
0303050050470011_0001	PJ	4CSS	00.09100.96
0303050050470011_0002	PJ	4CSS	00.09000.61

F:\R3_FOR~1\VSS\Cedro\Cedro_plt.sum

LOCATION	YEAR	CYL	TYP	TPA BY EACH OF 6 CLASSES						SDI BY EACH OF 6 CLASSES						BA BY EACH OF 6 CLASSES					
0303050050470001_0001	2013	0	PJ	0.0	700.0	0.0	28.6	31.7	0.0	0.00	0.00	0.00	29.04	70.96	0.00	0.0	3.8	0.0	10.0	30.0	0.0
0303050050470001_0002	2013	0	PJ	0.0	2900.0	100.0	631.7	21.8	0.0	0.00	0.00	3.34	89.08	7.58	0.00	0.0	15.8	4.9	190.0	20.0	0.0
0303050050470001_0003	2013	0	PJ	0.0	1600.0	0.0	27.9	12.3	0.0	0.00	0.00	0.00	54.04	45.96	0.00	0.0	8.7	0.0	10.0	10.0	0.0
0303050050470002_0001	2013	0	PJ	0.0	1800.0	900.0	1059.9	0.0	0.0	0.00	0.00	22.53	77.47	0.00	0.00	0.0	9.8	44.2	200.0	0.0	0.0
0303050050470002_0002	2013	0	PJ	0.0	3900.0	300.0	480.7	83.8	0.0	0.00	0.00	11.13	55.97	32.90	0.00	0.0	21.3	14.7	100.0	80.0	0.0
0303050050470002_0003	2013	0	PJ	0.0	600.0	0.0	143.5	14.3	0.0	0.00	0.00	0.00	79.00	21.00	0.00	0.0	3.3	0.0	60.0	20.0	0.0
0303050050470003_0001	2013	0	JW	0.0	0.0	0.0	0.0	5.1	0.0	0.00	0.00	0.00	0.00	100.00	0.00	0.0	0.0	0.0	0.0	10.0	0.0
0303050050470003_0002	2013	0	NC	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
0303050050470003_0003	2013	0	PJ	0.0	100.0	15.2	0.0	0.0	0.0	0.00	0.00	100.00	0.00	0.00	0.00	0.0	0.5	10.0	0.0	0.0	0.0
0303050050470004_0001	2013	0	PJ	0.0	4800.0	0.0	261.3	74.5	0.0	0.00	0.00	0.00	55.71	44.29	0.00	0.0	26.2	0.0	60.0	60.0	0.0
0303050050470004_0002	2013	0	PJ	0.0	900.0	300.0	464.3	25.5	0.0	0.00	0.00	12.02	78.54	9.44	0.00	0.0	4.9	14.7	140.0	20.0	0.0
0303050050470004_0003	2013	0	PJ	0.0	900.0	0.0	456.0	25.5	0.0	0.00	0.00	0.00	88.09	11.91	0.00	0.0	4.9	0.0	120.0	20.0	0.0
0303050050470005_0001	2013	0	PJ	0.0	2000.0	0.0	99.3	15.2	0.0	0.00	0.00	0.00	71.25	28.75	0.00	0.0	10.9	0.0	20.0	10.0	0.0
0303050050470005_0002	2013	0	PJ	0.0	2600.0	0.0	73.3	7.2	0.0	0.00	0.00	0.00	61.29	38.71	0.00	0.0	14.2	0.0	10.0	10.0	0.0
0303050050470005_0003	2013	0	PJ	0.0	2600.0	200.0	414.3	47.3	0.0	0.00	0.00	10.14	62.05	27.81	0.00	0.0	14.2	9.8	80.0	50.0	0.0
0303050050470006_0001	2013	0	PJ	0.0	2100.0	0.0	358.6	39.5	0.0	0.00	0.00	0.00	76.70	23.30	0.00	0.0	11.5	0.0	100.0	40.0	0.0
0303050050470006_0002	2013	0	PJ	0.0	0.0	600.0	952.8	0.0	0.0	0.00	0.00	19.05	80.95	0.00	0.00	0.0	0.0	29.5	160.0	0.0	0.0
0303050050470006_0003	2013	0	PJ	0.0	4500.0	300.0	463.5	47.2	0.0	0.00	0.00	12.02	69.38	18.59	0.00	0.0	24.5	14.7	120.0	40.0	0.0
0303050050470007_0001	2013	0	PJ	0.0	1600.0	0.0	737.5	21.7	0.0	0.00	0.00	0.00	91.29	8.71	0.00	0.0	8.7	0.0	160.0	20.0	0.0
0303050050470007_0002	2013	0	PJ	0.0	800.0	400.0	305.8	36.0	0.0	0.00	0.00	16.41	65.60	17.99	0.00	0.0	4.4	19.6	120.0	40.0	0.0
0303050050470007_0003	2013	0	PJ	0.0	300.0	100.0	582.7	0.0	0.0	0.00	0.00	4.20	95.80	0.00	0.00	0.0	1.6	4.9	160.0	0.0	0.0
0303050050470008_0001	2013	0	PJ	0.0	1200.0	900.0	86.3	12.7	0.0	0.00	0.00	55.30	32.08	12.62	0.00	0.0	6.5	44.2	40.0	20.0	0.0
0303050050470008_0002	2013	0	PJ	0.0	3000.0	300.0	488.5	47.2	0.0	0.00	0.00	13.22	66.33	20.45	0.00	0.0	16.4	14.7	100.0	40.0	0.0
0303050050470008_0003	2013	0	PJ	0.0	900.0	900.0	543.7	39.8	0.0	0.00	0.00	28.85	56.86	14.30	0.00	0.0	4.9	44.2	120.0	40.0	0.0
0303050050470009_0001	2013	0	PJ	0.0	600.0	0.0	680.3	21.7	0.0	0.00	0.00	0.00	91.93	8.07	0.00	0.0	3.3	0.0	180.0	20.0	0.0
0303050050470009_0002	2013	0	PJ	0.0	1200.0	200.0	443.5	93.6	0.0	0.00	0.00	7.66	57.09	35.25	0.00	0.0	6.5	9.8	100.0	80.0	0.0
0303050050470009_0003	2013	0	PJ	0.0	200.0	0.0	45.3	11.3	0.0	0.00	0.00	0.00	56.80	43.20	0.00	0.0	1.1	0.0	20.0	20.0	0.0
0303050050470010_0001	2013	0	PJ	0.0	4200.0	0.0	155.2	38.2	0.0	0.00	0.00	0.00	64.59	35.41	0.00	0.0	22.9	0.0	45.0	30.0	0.0
0303050050470010_0002	2013	0	PJ	0.0	1200.0	0.0	131.4	35.4	0.0	0.00	0.00	0.00	63.76	36.24	0.00	0.0	6.5	0.0	45.0	30.0	0.0
0303050050470010_0003	2013	0	PJ	0.0	1500.0	0.0	344.3	31.3	0.0	0.00	0.00	0.00	79.34	20.66	0.00	0.0	8.2	0.0	90.0	30.0	0.0
0303050050470011_0001	2013	0	PJ	0.0	5400.0	0.0	580.9	49.0	0.0	0.00	0.00	0.00	83.14	16.86	0.00	0.0	29.5	0.0	160.0	40.0	0.0
0303050050470011_0002	2013	0	PJ	0.0	3300.0	0.0	471.3	30.3	0.0	0.00	0.00	0.00	86.05	13.95	0.00	0.0	18.0	0.0	100.0	20.0	0.0

For Help, press F1 | Ln 1, Col 1, C0 | DOS | Mod: 4/21/2013 2:17:02 PM | File Size: 272866 | INS | CAP

Notes: