

## Instructions for the Distribution Analysis template for the following spreadsheets:

*DecAID\_DistributionAnalysis\_Large\_Snags\_EASTSIDE*  
*DecAID\_DistributionAnalysis\_Small\_Snags\_EASTSIDE*  
*DecAID\_DistributionAnalysis\_Large\_Snags\_WESTSIDE*  
*DecAID\_DistributionAnalysis\_Small\_Snags\_WESTSIDE*  
*DecAID\_DistributionAnalysis\_All\_Downwood\_EASTSIDE*  
*DecAID\_DistributionAnalysis\_Large\_Downwood\_EASTSIDE*  
*DecAID\_DistributionAnalysis\_All\_Downwood\_WESTSIDE*  
*DecAID\_DistributionAnalysis\_Large\_Downwood\_WESTSIDE*

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### Overview

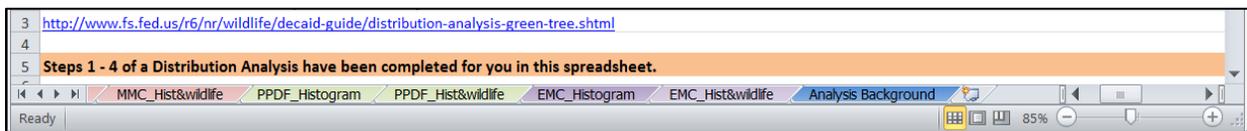
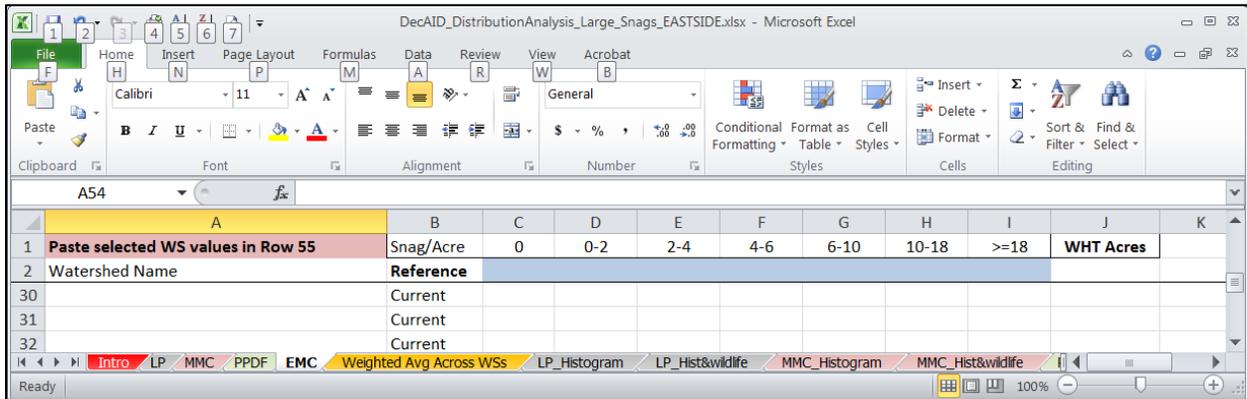
These spreadsheets are designed to automatically create graphs in the format needed for snags in a DecAID Distribution Analysis (<http://www.fs.fed.us/r6/nr/wildlife/decaid-guide/distribution-analysis-green-tree.shtml>). After completing the steps for this worksheet, steps 1-4 of a Distribution Analysis have been completed for snags and down wood. A version of the spreadsheet should be saved for each project to document the analysis, and be part of the analysis file.

**The steps outlined in the *Instructions for DecAID Regional Analysis* and *Instructions for the Summary template* documents need to be completed before using this template.** Input data are the outputs from the Region-wide DecAID analysis that have been summarized using the **summary template spreadsheets**. The term “summary template” will be used throughout this document to refer to the following spreadsheets:

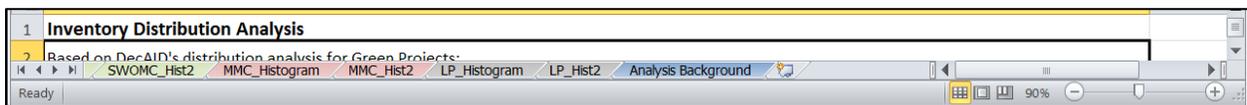
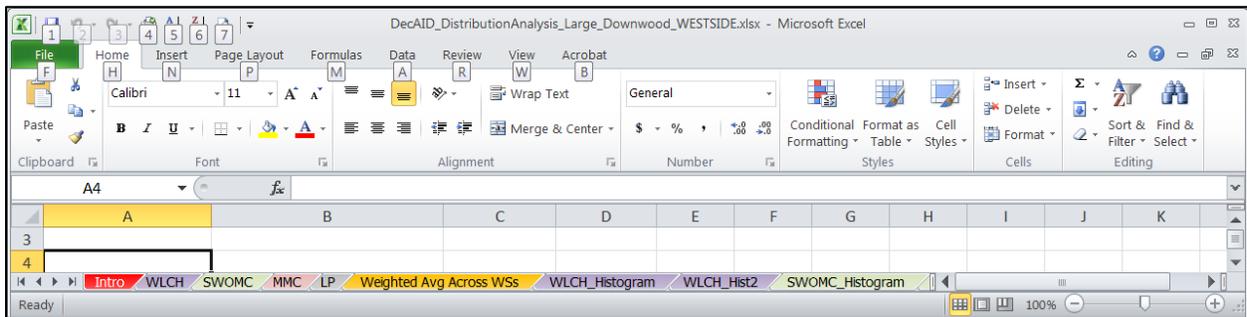
*DecAID\_Snags\_by\_WS\_EASTSIDE\_SummaryTemplate*  
*DecAID\_Snags\_by\_WS\_WESTSIDE\_SummaryTemplate*  
*DecAID\_DW\_by\_WS\_EASTSIDE\_SummaryTemplate*  
*DecAID\_DW\_by\_WS\_WESTSIDE\_SummaryTemplate*

The Distribution Analysis template spreadsheet has multiple pages with color-coded tabs.

### Snag spreadsheets



### Down Wood spreadsheets



### Tab Descriptions

Intro (red) – This tab has documentation of the analysis process and some instructions for using the spreadsheet. Update the spreadsheet with your Forest and/or Analysis Area where you find red X's.

Analysis Background (blue) – This tab is documentation of the data used in the Regional Analysis.

LP (gray), MMC (pink), PPDF and SWOMC (green), EMC and WLCH (purple) – These tabs for each Wildlife Habitat Type (WHT) are where data from the Summary templates are pasted.

\* Histogram and \* Hist&wildlife (color coded to WHT above) – These are the distribution histograms that are automatically created from the associated WHT tabs where the analysis data are pasted. The \*\_Hist&wildlife tabs also include information on tolerance levels for individual wildlife species. Note that no wildlife data are available for large down wood. Update the figure headings for your Forest or Analysis Area.

## Skills Needed – Basic Excel Skills

- Copy and paste
- Move between worksheets using tabs
- Scrolling with top rows locked in “freeze pane”

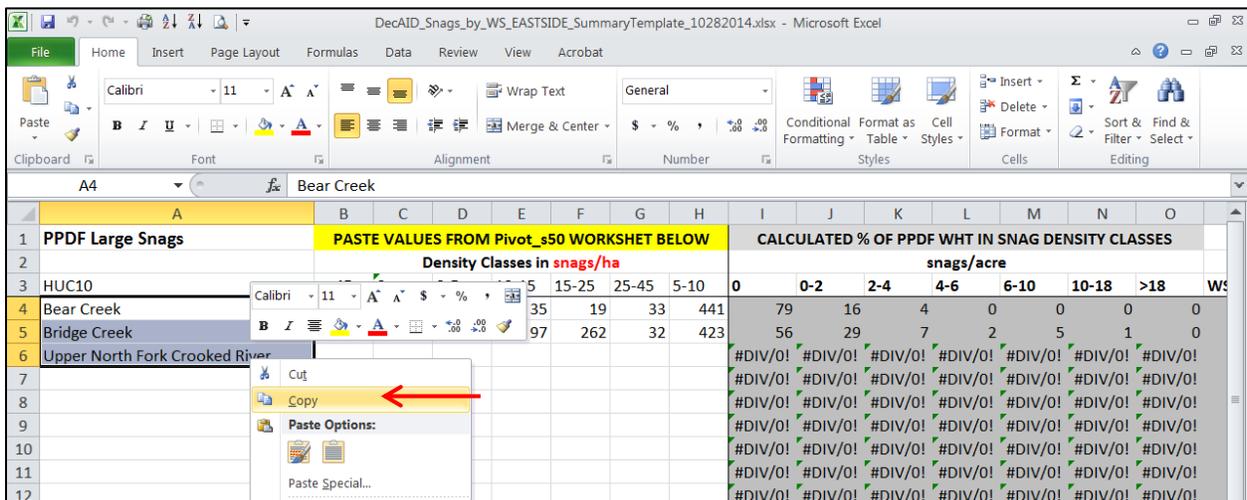
## Step by Step Instructions

### Step 1 – Copy and Paste data

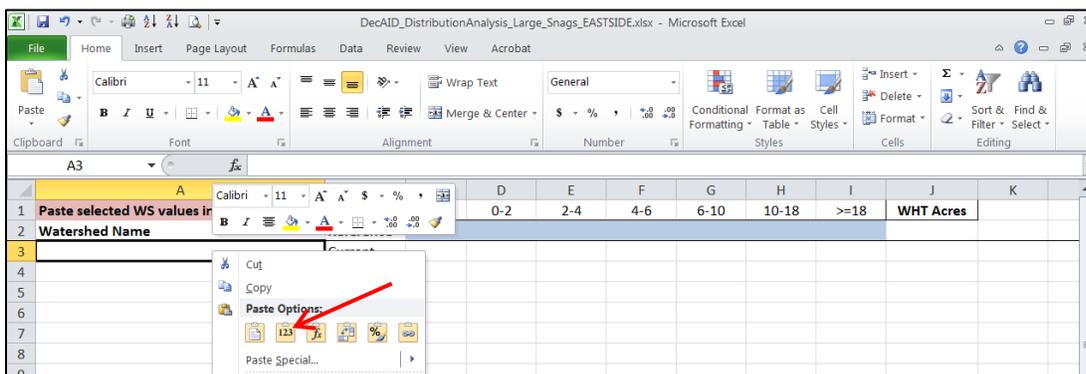
Copy the data from the appropriate Summary Template worksheet. **Do not copy the header rows.** Paste the data into the appropriate WHT tab. **Make sure you have scrolled all the way to the top of the worksheets before pasting the data.**

When instructed to use the **Paste Values** function, **make sure to use this function** or formulas will be pasted that relate to a different worksheet and the paste will give you error messages in the cells.

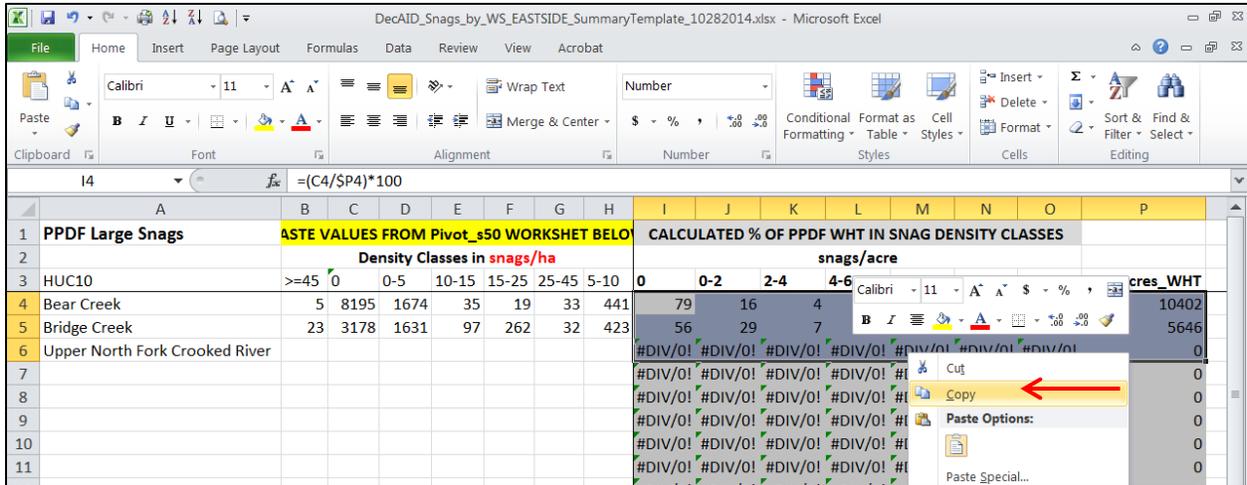
- Copy the HUC10s starting in cell A4 of the corresponding WHT tab in the Summary Template worksheet. Right click on the cells and select Copy. **Make sure you have scrolled all the way to the top of the spreadsheet.**



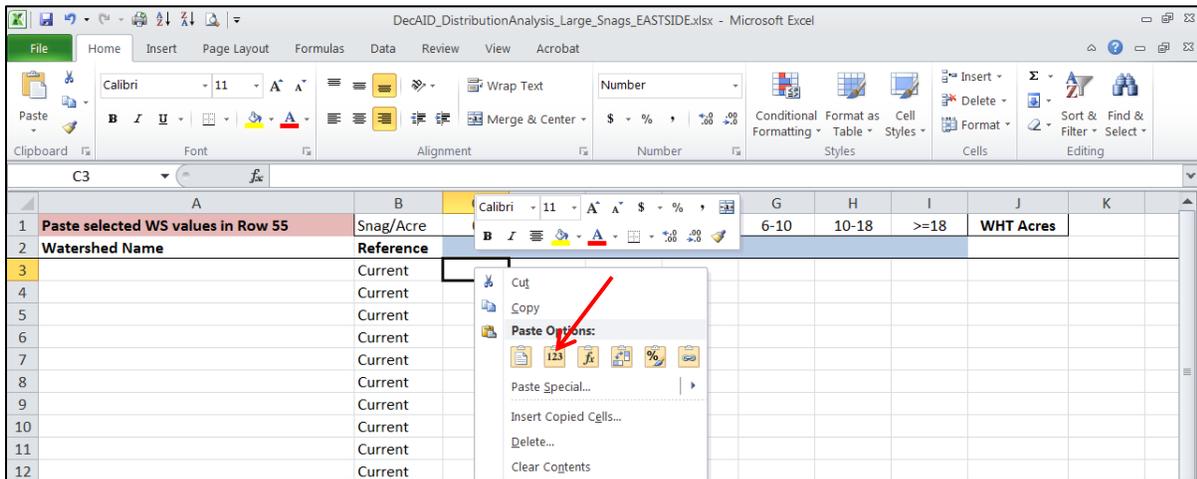
- Paste the copied cells in the Watershed Names column starting in cell A3. Right click on the cell and select Paste.



- Copy the percent of the WHT in each snag density or percent cover class information from the gray cells in the corresponding WHT tab in corresponding Summary Template worksheet. Copy columns I through P for large snags, columns H through N for small snags, and down wood, beginning in row 4. **Make sure you have scrolled all the way to the top of the spreadsheet.**



- Paste the data in the corresponding WHT tab. Select cell C3, right click and select **Paste Values** (red arrow in figure below).



Copy HRV values for each WHT from the HRV tab (orange) in the Summary Template spreadsheet. Copy the grey highlighted cells to the corresponding WHT and snag or down wood size.

Down wood >=5" diameter							
HABTYPE	SZCLS	PCTCOV DecAID Unharvested					
		0	0-2	2-4	4-6	6-10	>=10
MMC	Open	18	37	17	8	13	8
MMC	Small	9	23	25	16	17	10
MMC	Large	9	26	18	20	16	12
LP	Open	5	29	27	14	15	9
LP	Small	19	25	26	13	14	4
LP	Large	0	27	11	9	34	18
WLCCH_WCA	Open	5	23	19	15	21	17
WLCCH_WCA	Small	2	19	22	23	19	15
WLCCH_WCA	Large	11	23	33	17	11	5
WLCCH_WCA	Small	8	21	25	17	18	11
WLCCH_WCA	Large	1	17	20	17	30	14
WLCCH_WCO	Open	no data					
WLCCH_WCO	Small	9	14	23	14	25	16
WLCCH_WCO	Large	0	5	12	4	55	24
WLCCH_WCA	Open	34	23	14	4	19	6
WLCCH_WCA	Small	2	24	14	23	28	9
WLCCH_WCA	Large	4	17	24	18	18	20
SWOMC	Open	0	0-2	2-4	4-6	6-8	>=8
SWOMC	Small	35	35	8	9	1	13
SWOMC	Small	35	52	9	2	2	0
SWOMC	Large	13	28	28	16	6	9

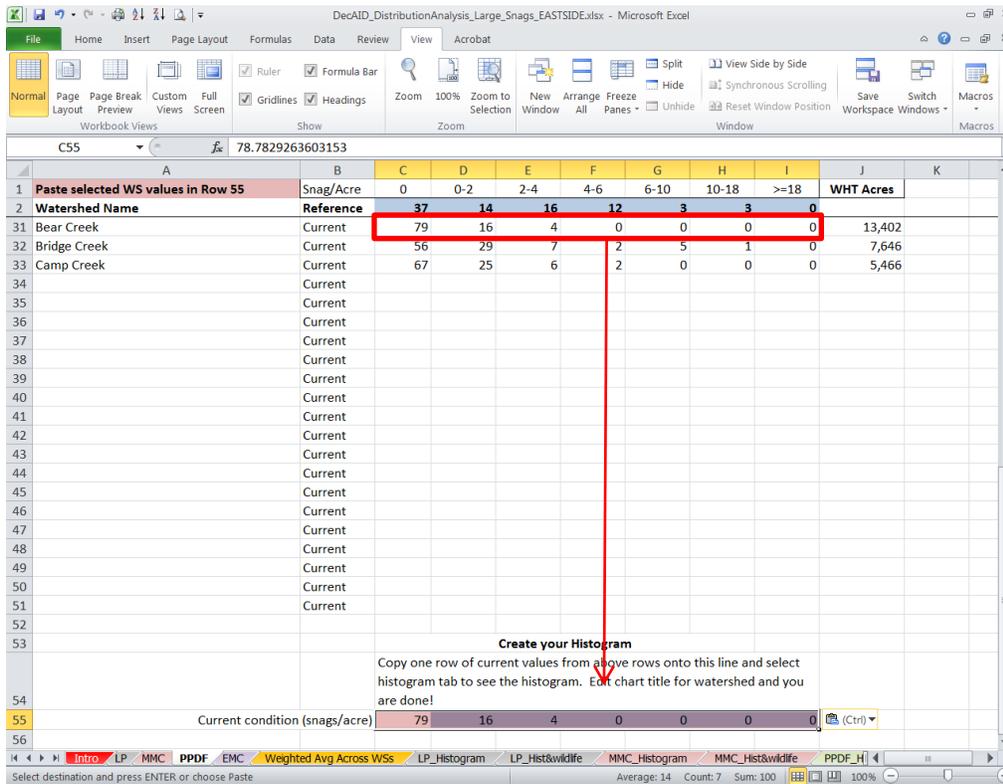
➤ Paste the values in the corresponding WHT tab. Select cell **C2** for and **Paste Values** in to the blue highlighted cells by right clicking and selecting Paste Values.

	6-10	10-18	>=18	WHT Acres
1	Paste selected WS values in Row 55			
2	Watershed Name			
3	Reference			
4	Current			
5	Current			
6	Current			
7	Current			

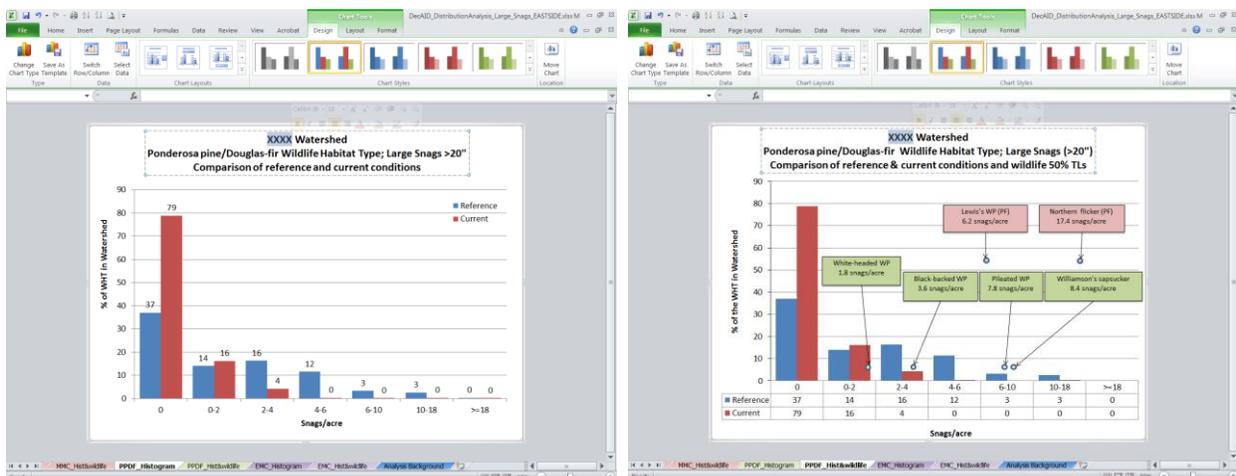
## Step 2 – Create Distribution Histogram Graphs

Once data have been entered into the WHT worksheets you are ready to create histograms by watershed. If your analysis area covers multiple watersheds see Step 3.

- Copy the percentages by snag density or down wood percent cover class for the watershed of interest.
- Paste the values in the pink highlighted cells in row 55 of the same worksheet. Use **Paste Values** as described in Step 1.



- Go to the corresponding WHT histogram tab (\*\_Histogram or \*\_Hist&wildlife).
- Edit the graph title to reflect the watershed data being displayed.



### Step 3 – Weighted Averages Across Watersheds

One of the assumptions of a Distribution Analysis is that there is at least 12,800 acres in each WHT in the Analysis Area. If an individual watershed does not contain enough acres, the analysis area may need to encompass more than one watershed. The Weighted Avg Across WSs tab (yellow) is designed to calculate weighted averages for percent in each snag density or down wood percent cover class across multiple watersheds. **Follow all the steps outlined in the peach colored boxes.**

**Weighted Average across Watersheds**

Use this spreadsheet when you need to combine watersheds to meet the minimum acreage requirements for a DecaID Distribution Analysis

**Step 1** Enter correct wildlife habitat type  
**Step 2** Paste reference conditions for the appropriate Wildlife Habitat Type (WHT)  
**Step 3** Paste information for the watershed(s) the project occurs within and adjacent watersheds until the total acres exceed 12,800 (Cell J25)  
**Step 4** Edit the graph title to reflect the appropriate WHT and analysis area name  
**Step 5** Graphs can be copied and pasted into documents as pictures, adjust size as necessary  
**Step 6** Print and/or "save as" the version of the spreadsheet for your project/analysis file

Wildlife Habitat Type	Reference	15	18	18	19	24	7
LP							
	Snag density class (per acre)						
	0	0-6	6-12	12-24	24-36	>36	WHT Acres
HUCSNAME							
Bridge Creek-Middle Fork John Day Current	21	40	16	13	5	4	7,786
Camp Creek-Middle Fork John Day F Current	23	33	16	15	6	7	2,391
Big Creek-Middle Fork John Day Rivi Current	18	18	16	17	24	8	92
	Snag density class (per acre)						
	0	0-6	6-12	12-24	24-36	>36	WHT Acres
Weighted Average Current	19	24	16	16	18	7	11,105

**2** - Paste the Reference condition values from the top of the appropriate WHT spreadsheet in this area.

**3** - Paste the snag density classes from the top of the appropriate WHT spreadsheet in this area.

**4** - Paste data for the watersheds that you want to include in your analysis area in this area - Rows 16-21.

**Your results!** These values appear in the graph below. OR Copy the green cells and paste the pink cells in row 55 of the appropriate WHT tab.

**5** - Edit graph title to reflect appropriate Analysis Area and WHT.

XXXX Analysis Area  
 XX Wildlife Habitat Type; Snags >10"  
 Comparison of reference and current conditions

- Copy the multiple rows of data from the WHT tab ... copy all cells from column A through the WHT Acres field.

	A	B	C	D	E	F	G	H	I	J	K
1	Paste selected WS values in Row 55										
2	Watershed Name	Snag/Acre	Reference	37	14	16	12	3	3	0	
31	Bear Creek	Current		79	16	4	0	0	0	0	13,402
32	Bridge Creek	Current		56	29	7	2	5	1	0	7,646
33	Camp Creek	Current		67	25	6	2	0	0	0	5,466
34		Current									

- Paste the information in the appropriate cells in the Weighted Avg Across WSs tab. Continue to add adjacent watersheds until the total acres (e.g., cell K26) equal or exceed 12,800 acres.
- Don't forget to copy and paste the Reference conditions (blue cells) and the snag density or down wood percent cover classes. Use **Paste Values**.

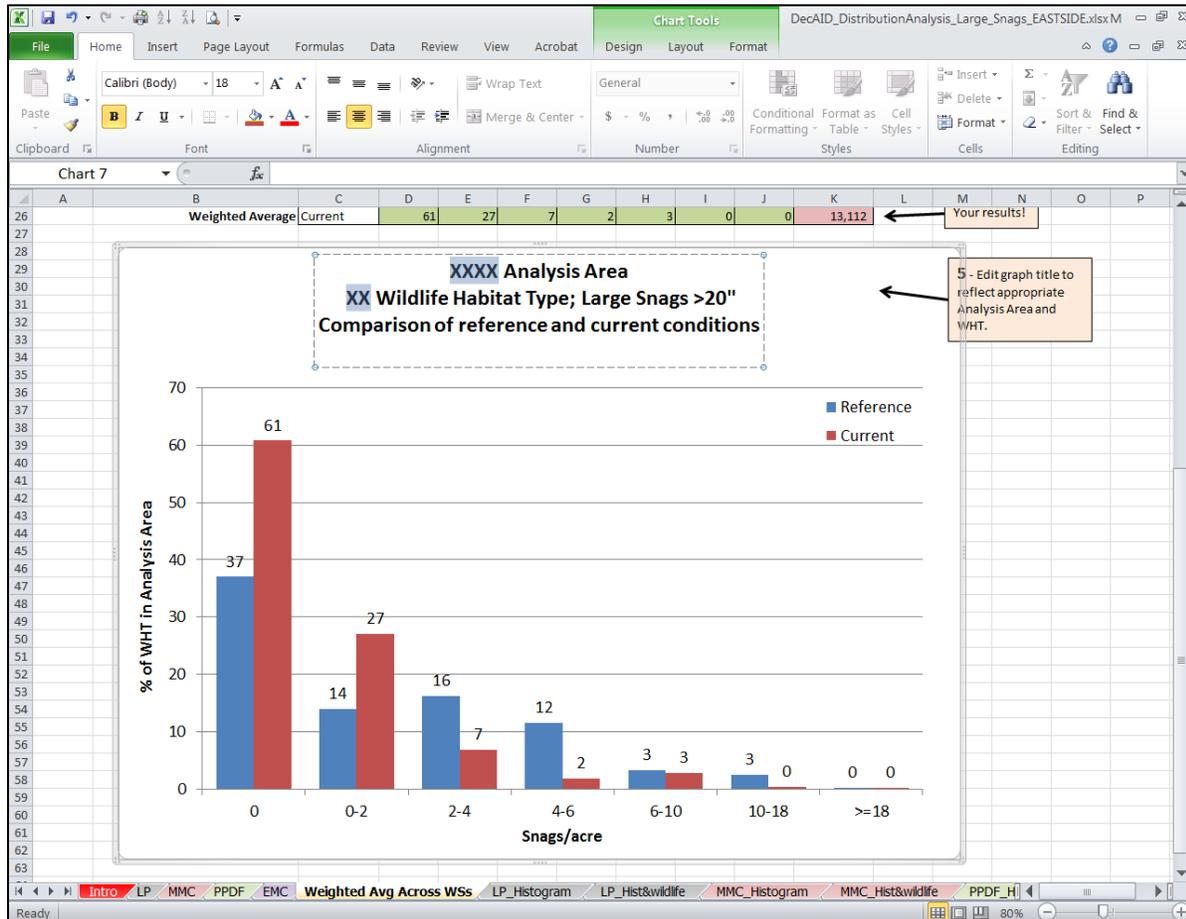
Step 5 Graphs can be copied and pasted into documents as pictures, adjust size as necessary  
 Step 6 Print and/or "save as" the version of the spreadsheet for your project/analysis file

Wildlife Habitat Type	Reference	15	18	18	19	24	7	
LP								
	Snag density class (per acre)	0	0-6	6-12	12-24	24-36	>36	
	WHT Acres							
Bridge Creek-Middle Fork John Day	Current	21	40	16	13	5	4	7,786
Camp Creek-Middle Fork John Day F	Current	23	33	16	15	6	7	2,391
Big Creek-Middle Fork John Day Rivi	Current	18	18	16	17	24	8	928
	Snag density class (per acre)	0	0-6	6-12	12-24	24-36	>36	WHT Acres
Weighted Average	Current	19	24	16	16	18	7	11,105

Annotations:

- 1 - Enter WHT
- 2 - Paste the Reference condition values from the top of the appropriate WHT spreadsheet in this area.
- 3 - Paste the snag density classes from the top of the appropriate WHT spreadsheet in this area.
- 4 - Paste data for the watersheds that you want to include in your analysis area in this area - Rows 16-21.
- Your results! These values appear in the graph below. OR Copy the green cells and paste the pink cells in row 55 of the appropriate WHT tab.

- Finally, edit the title on the graph to indicate the name of the Analysis Area and the WHT being assessed.



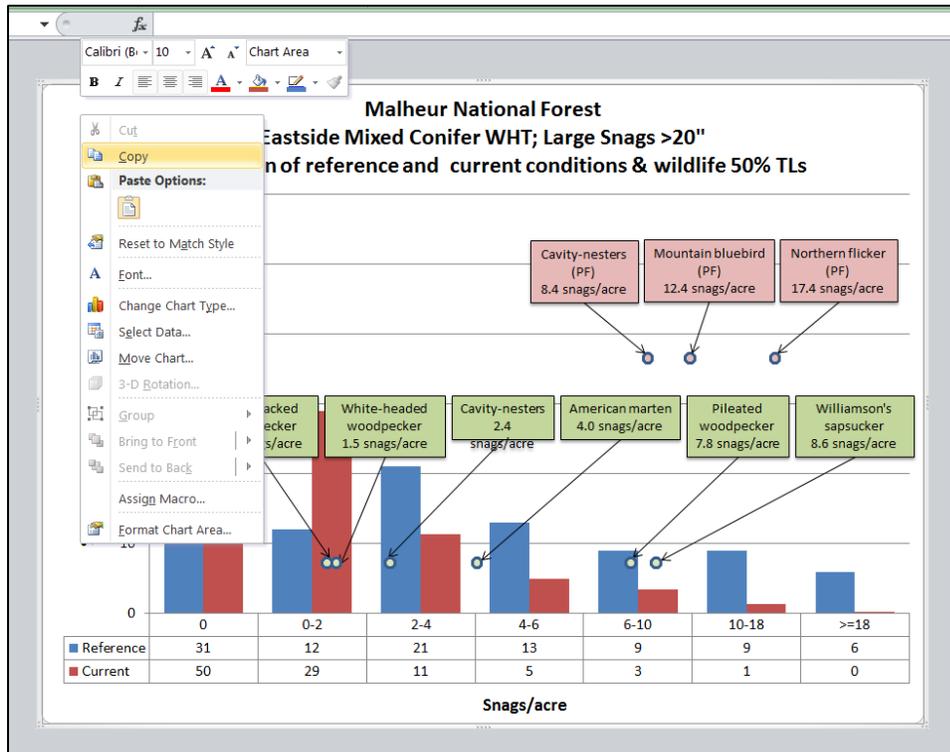
More advance Excel users may want to make a copy of this worksheet for each WHT and paste the resulting weighted averages from row 26 into row 55 of each WHT worksheet. Then histograms with wildlife data over-laid can be created.

For a consistent analysis area for the project, you may want to use the same combination of watersheds for all WHTs in your project area, even if you greatly exceed the 12,800 acre minimum for the more common WHTs.

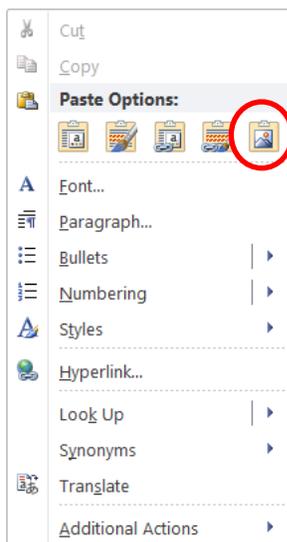
## Using Excel Graphs in Word Documents

The graphs created by the Excel Distribution Analysis template can be copied and pasted into your NEPA document. The best way to accomplish this is to copy the graph and paste it as a picture into your Word document.

- Right click in a corner of the graph and select copy.



- Place your cursor in the Word document where you want to paste the graph. Right click and select the Paste Picture icon.



- The picture can then be resized in Word by dragging the corners or using the Format tab.

