Instructions for the DecAID Summary template worksheets:

DecAID_Snags_by_WS_EASTSIDE_SummaryTemplate
DecAID_Snags_by_WS_WESTSIDE_SummaryTemplate
DecAID_DW_by_WS_EASTSIDE_SummaryTemplate
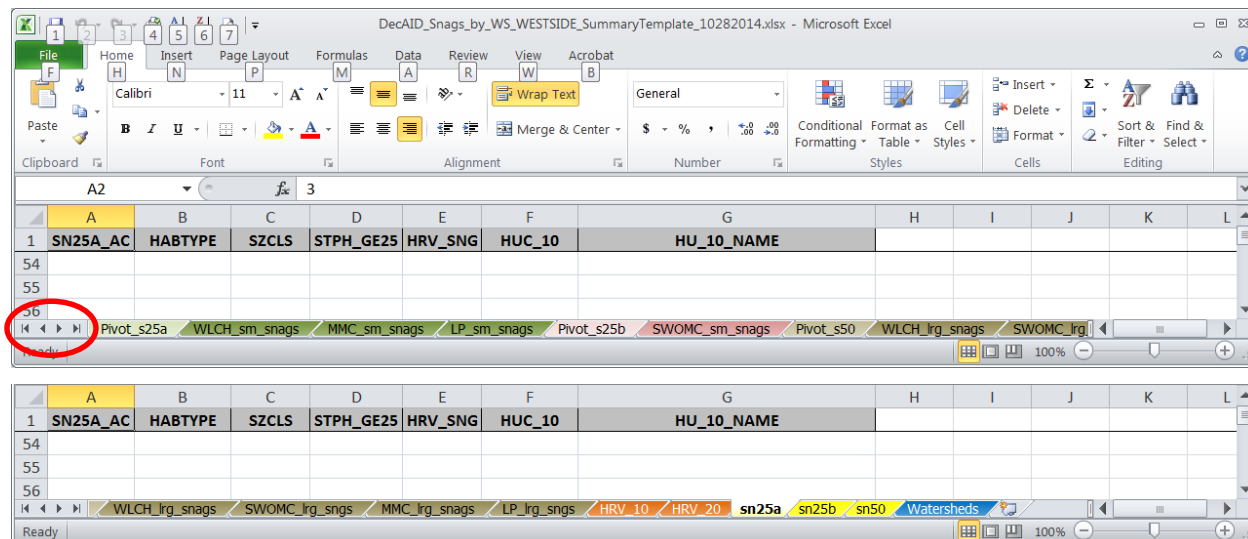*DecAID_DW_by_WS_WESTSIDE_SummaryTemplate*

Contents

Overview

This spreadsheet is designed to automatically summarize data in the format needed for a DecAID distribution analysis.
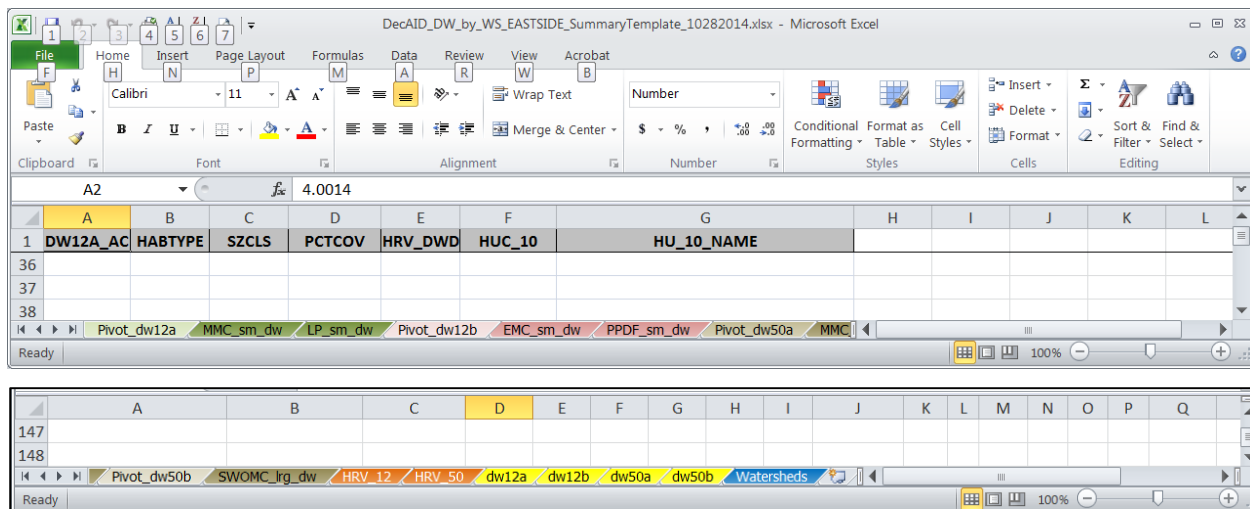
Input data are the outputs from the Region-wide DecAID analysis. **The steps outlined in the *Instructions for DecAID Regional Analysis* document need to be completed before using this template.**

The spreadsheets each have pages with color-coded tabs. See all the tabs by using the arrows at the bottom, left of the spreadsheet. The figure below is an example of tabs for *DecAID_Snags_by_WS_WESTSIDE_SummaryTemplate.xlsx* and *DecAID_DW_by_WS_EASTSIDE_SummaryTemplate.xls*

The yellow tabs are where you paste the data from the Regional Analysis after exporting the data to Excel. Yellow tabs are: sn25a, sn25b, sn50, dw12a, dw12b, dw50a, dw50b

The "Pivot" tabs (lighter color) are pivot tables which use the data pasted into the yellow tabs and create a summary of the data.

There are color-coded tabs for Wildlife Habitat Type (WHT); these are worksheets where you paste the data from the pivot tables. These worksheets calculate the percent of the landscape in each snag density class. The colors are coded to the associated Pivot Table tab. For example, the light brown Pivot table tab has the data that will be pasted into the darker brown WTH tabs.

The orange tab is set up for you to calculate a weighted Historic Range of Variability (HRV) for the WHTs using your HRV values for Successional Structural Classes (SCCs) and the data from unharvested inventory plots from DecAID for each snag density and down wood percent cover class.

The blue tab is a list of watersheds with HUC10 code and name. This worksheet should be populated with your list of watersheds and can be used as a crosswalk or lookup table.

Skills Needed – Basic Excel Skills

- Copy and paste
- Move between worksheets using tabs – use the arrows at the bottom left of your worksheet (circled in red in figure above)
- Scrolling with top rows locked in "freeze pane"

Step by Step Instructions

Step 1 – Copy and Paste data

Copy the data from the Excel worksheets that were exported from the Regional Analysis and clipped to your Forest or Analysis Area.

➢ Highlight the data to be copied, right click on the highlighted area, and click on "Copy". **Do not copy the header row**.
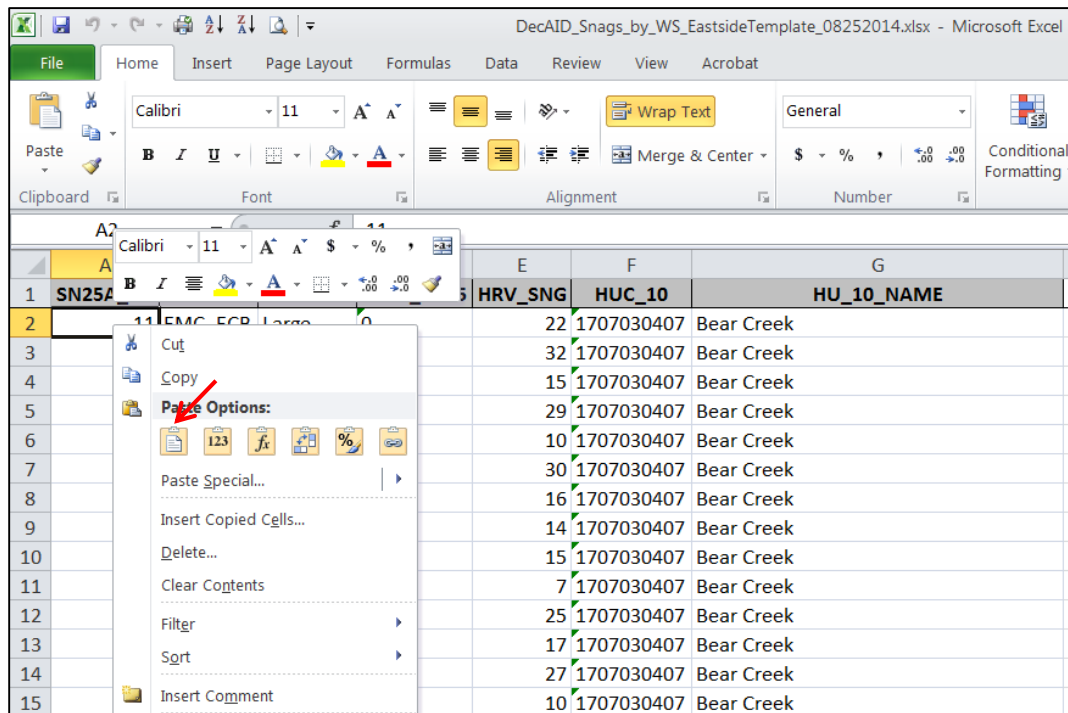
> Paste the data into the appropriate ==yellow tab== as per the table below. Paste over the existing few rows of example data. Make sure you have **scrolled all the way to the top** of the worksheet and paste the data by selecting cell **A2**, right click and paste.
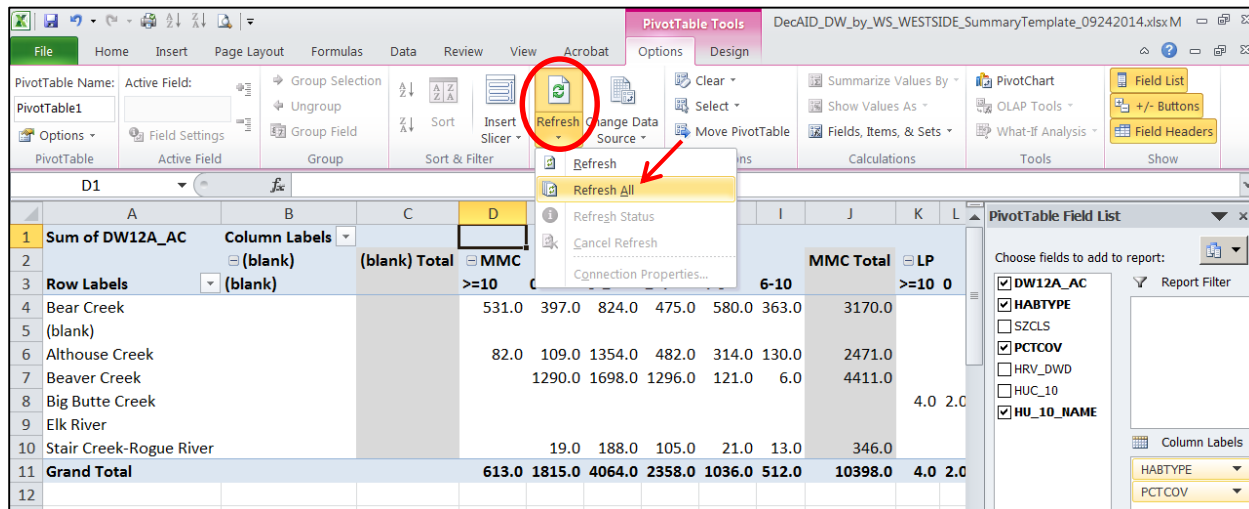

Regional Analysis results to paste into template worksheet:

File from Regional Analysis	Template worksheet (yellow tabs)	WHTs
*_snag25a	sn25a	WLCH, MMC, LP, EMC
*_snag25b	sn25b	PPDF, SWOMC
*_snag50	sn50	All
*_sn25a_rd	sn25a	WLCH, MMC, LP, EMC
*_sn25b_rd	sn25b	PPDF, SWOMC
*_sn50_rd	sn50	All
*_dw12a	dw12a	WLCH, MMC, LP
*_dw12b	dw12b	PPDF, SWOMC, EMC
*_dw50a	dw50a	WLCH, MMC, LP
*_dw50b	dw50b	PPDF, SWOMC, EMC

Step 2 – Refresh Pivot Tables

➢ Go to each Pivot Table tab (white tabs). Click on any cell in the blue header area. Go to the toolbar and select PivotTable Tools/Options/Refresh/Refresh All. The table is now updated for your data.
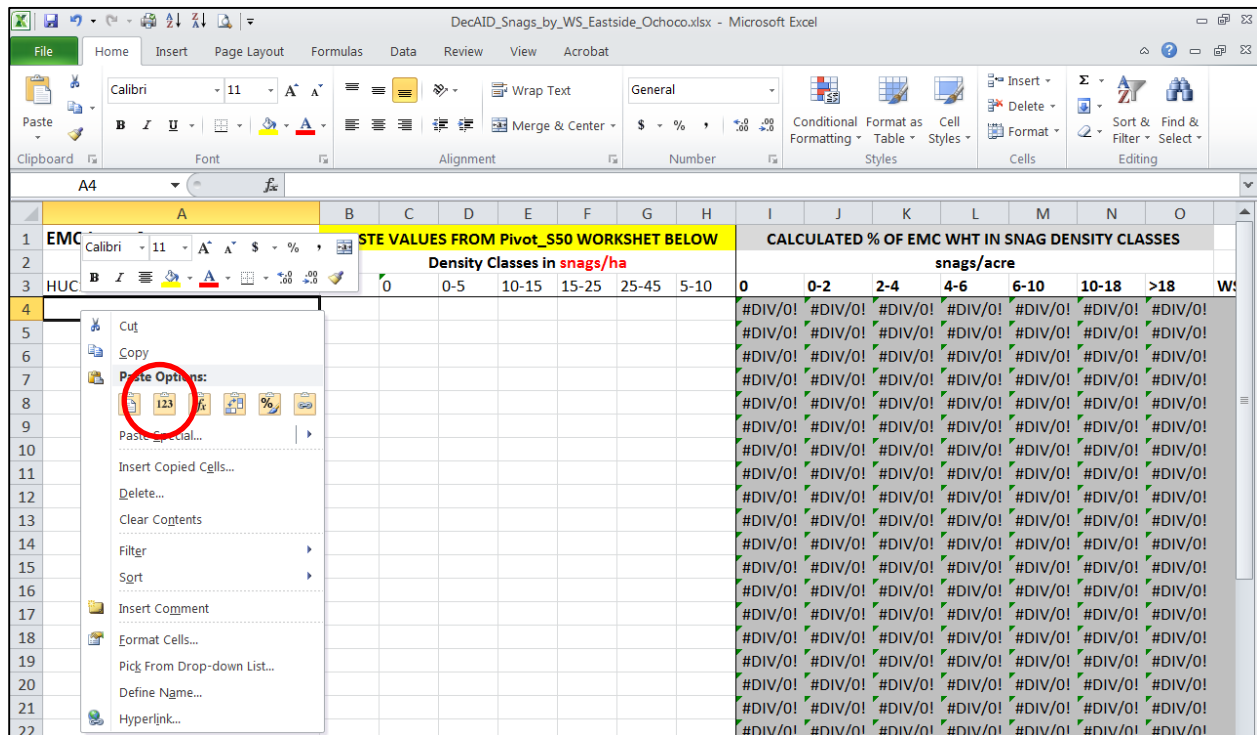

NOTE: As long as your data in the yellow tabs contains no more than 5,000 records you will not need to Change Data Source. If your data has more records you will also need to Change Data Source (see Appendix A).

Step 3 – Copy Pivot Table Data and Paste Values

Copy the data that is summarized in the pivot tables and paste to the appropriate green or brown tab. There will be blanks in the pivot table, indicating that no part of that watershed has that particular combination of WHT, SCC and snag density or down wood percent cover class.

➢ Copy watershed names. Do not copy the column heading (Row Labels) or any cells below the last watershed name (i.e., blanks, Grand Total).

➢ Paste the watershed names in the WHT tab under the HUC10 column. Select cell A4, right click on the mouse, and select **Paste Values** (see red circle in figure below).

Copy and paste the numerical values into columns B through H in the snag worksheets and B through G in the down wood worksheets.

➢ Copy the values for each WHT from the pivot tables.

> Select cell B4 and use **Paste Values** as you did with the watershed names.

EMC Large Snags	PASTE VALUES FROM Pivot_S50 WORKSHET BELOW							CALCULATED % OF EMC WHT IN SNAG DENSITY CLASSES							
	Density Classes in snags/ha							snags/acre							
HUC10	>=45	0	0-5	10-15	15-25	25-45	5-10	0	0-2	2-4	4-6	6-10	10-18	>18	W
Bear Creek	0	1944	446	30	2	6	86	77	18	3	1	0	0	0	
Bridge Creek	144	9026	6955	1194	2034	558	2817	40	31	12	5	9	2	1	
Camp Creek	0	1304	579	85	11	10	173	60	27	8	4	1	0	0	
Deep Creek	63	8432	6942	1743	1357	570	3315	38	31	15	8	6	3	0	
Horse Heaven Creek-Crooked River	30	9464	5045	622	496	178	1614	54	29	9	4	3	1	0	
Juniper Butte-Crooked River								#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
Lower Beaver Creek	4	4252	2603	223	156	109	651	53	33	8	3	2	1	0	
Lower Crooked Valley-Crooked River		0	0					#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
Lower Metolius River								#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
Lower North Fork Crooked River	2	1434	620	41	6	2	196	62	27	9	2	0	0	0	
Lower Ochoco Creek	0	171	91	2	3	1	27	58	31	9	1	1	0	0	
Lower South Fork John Day River	113	9895	5894	1041	1230	288	3659	45	27	17	5	6	1	1	
								#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		

Do not paste anything in the grey boxes. They are formulas that will convert the amount of area in each snag density class in **snags/ha** or percent cover class to percent of the landscape in **snags/acre** or in each percent cover class. The snag density classes in the pivot tables are not in the correct order because of the way Excel sorts values. The formulas in the grey area account for that and thus are in the correct order. If there are no values for a particular WHT in a given watershed the results will show #DIV/0!

Step 4 – Calculate Weighted Average for HRV

The HRV orange tab calculates a weighted average for HRV across SCCs for each WHT. Each Forest uses different information in terms of what is considered HRV in terms of structural condition classes. Sources for the HRV of structural stages include: Watershed Analyses, ICBEMP, Viable, REAP, published literature. Work with your silviculturist or ecologist to decide which source to use and to create a crosswalk to the DecAID SCC from the classification used by your Forest.

➢ Enter the percent of the landscape in each SCC for each WHT with values specific to your area in the yellow highlighted cells in the spreadsheet. Once this has been done the values in the gray cells will be the weighted average of percent of the landscape in each snag density class. Do not edit the gray cells or you will lose the formulas that perform the calculations.

Step 5 – Create List of Watersheds with HUC10 Code and Watershed Name – OPTIONAL
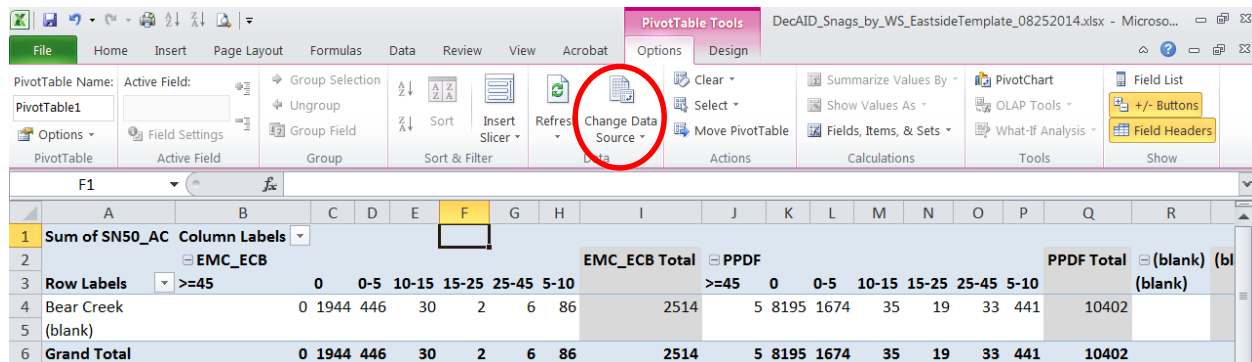
This step is optional if you would like a complete set of Watershed Names and Codes.

➢ Copy the data in the *_huc_10 spreadsheet that was exported from ArcGIS to Excel.
➢ Paste the data in the Watershed tab (blue tab). Paste over the existing few rows of example data. Make sure you have scrolled all the way to the top of the worksheet and paste the data by selecting cell **A2**, right click and paste.
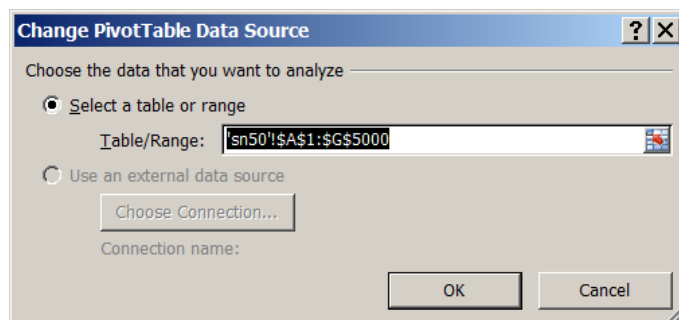
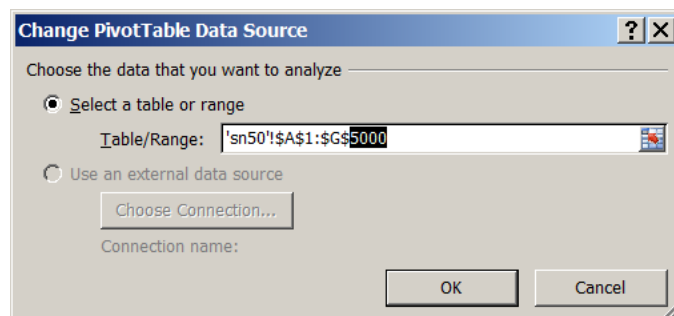## Appendix A – Changing Data Source in a Pivot Table

If data for your Forest or Analysis Area contains more than 5,000 rows you will need to update the data source using PivotTable Tools/Options/Change Data Source.

You will get this window:

Highlight the 5000 value and type in the number of the last row of your data then click OK.

Refresh data as per instructions in Step2. Do this for each Pivot table.