

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.....	1
Skills Needed – Basic Excel Skills.....	2
Step by Step Instructions.....	3
Step 1 – Copy and Paste data	3
Step 2 – Refresh Pivot Tables.....	5
Step 3 – Copy Pivot Table Data and Paste Values	5
Step 4 – Calculate Weighted Average for HRV	8
Step 5 – Create List of Watersheds with HUC10 Code and Watershed Name – OPTIONAL	9
Appendix A – Changing Data Source in a Pivot Table.....	10

Overview

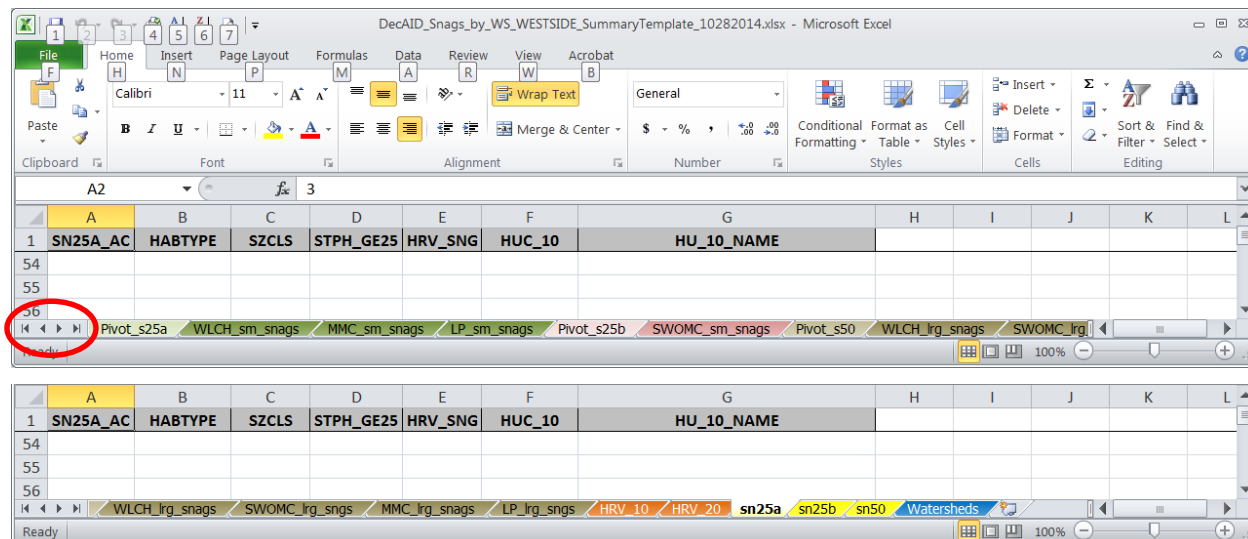
This spreadsheet is designed to automatically summarize data in the format needed for a DecAID distribution analysis.

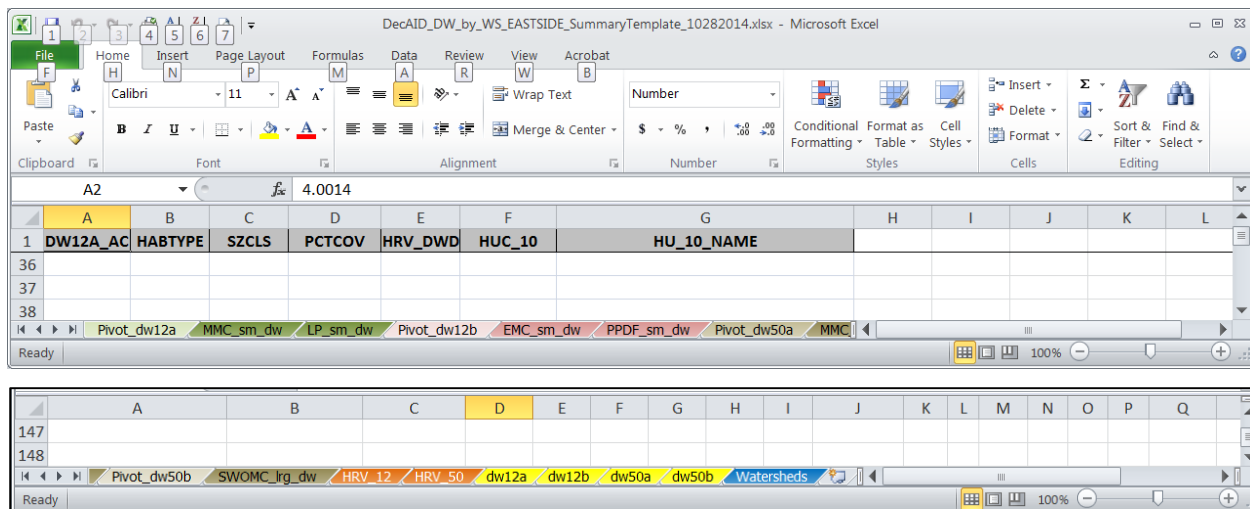
Input data are the outputs from the Region-wide DecAID analysis. **The steps outlined in the *Instructions for DecAID Regional Analysis* document need to be completed before using this template.**

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.

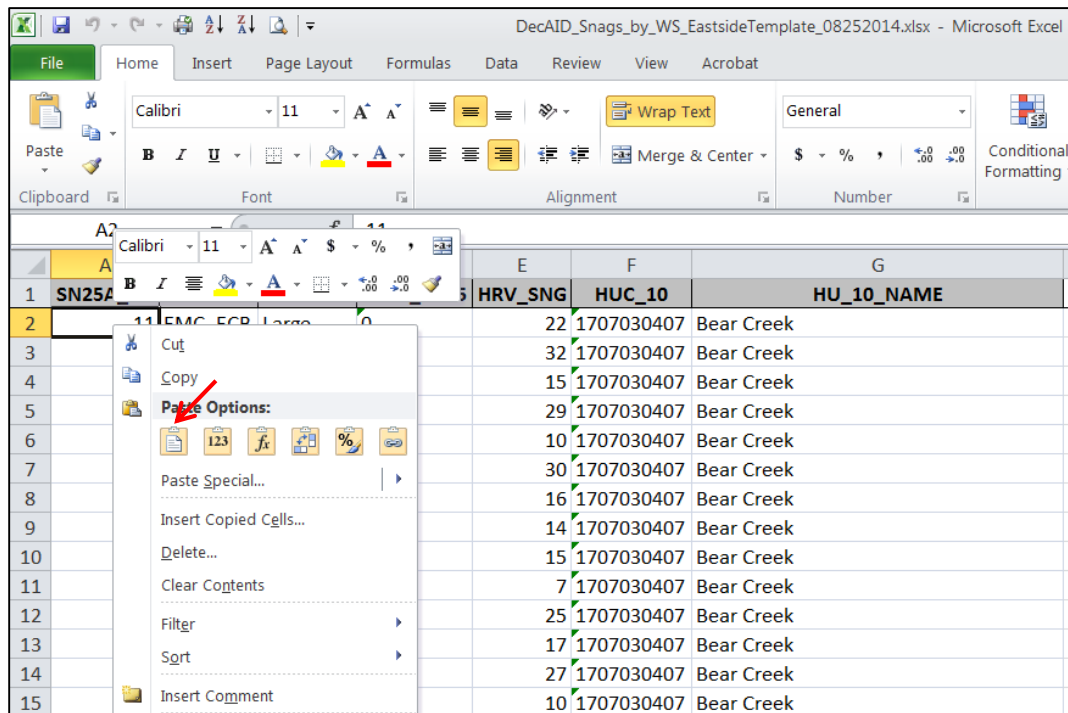
rs_25_1wrds.xlsx - Microsoft Excel

	A	B	C	D	E	F	G	H	I
1	SN25A_AC	HABTYPE	SZCLS	STPH_GE25	HRV_SNG	HUC_10	HU_10_NAME		
2	4	MMC	Large	0	1	1710031101	Althouse Creek		
3	31	MMC	Large	>=90	6	1710031101	Althouse Creek		
4	266	MMC	Large	0-15	17	1710031101	Althouse Creek		
5	384	MMC	Large	15-30	28	1710031101	Althouse Creek		
6	437	MMC	Large	30-60	37	1710031101	Althouse Creek		
7	109	MMC	Large	60-90	11	1710031101	Althouse Creek		
8	367	MMC	Open	0	36	1710031101	Althouse Creek		
9	17	MMC	Open	>=90	5	1710031101	Althouse Creek		
10	115	MMC	Open	0-15	29	1710031101	Althouse Creek		
11	35	MMC	Open	15-30	13	1710031101	Althouse Creek		
12	8	MMC	Open	30-60	12	1710031101	Althouse Creek		
13	15	MMC	Open	60-90	5	1710031101	Althouse Creek		
14	165	MMC	Small	0	5	1710031101	Althouse Creek		
15	2	MMC	Small	>=90	15	1710031101	Althouse Creek		

rs_dw50b.xlsx - Microsoft Excel

	A	B	C	D	E	F	G	H	I
1	DW50B_AC	HABTYPE	SZCLS	PCTCOV	HRV_DWD	HUC_10	HU_10_NAME		
2	1457	SWOMC	Large	0	41	1710031101	Althouse Creek		
3	488	SWOMC	Large	1-2	20	1710031101	Althouse Creek		
4	143	SWOMC	Large	2-3	10	1710031101	Althouse Creek		
5	96	SWOMC	Large	3-4	6	1710031101	Althouse Creek		
6	200	SWOMC	Large	>=4	15	1710031101	Althouse Creek		
7	360	SWOMC	Large	0-1	8	1710031101	Althouse Creek		
8	1255	SWOMC	Open	0	73	1710031101	Althouse Creek		
9	238	SWOMC	Open	1-2	8	1710031101	Althouse Creek		
10	317	SWOMC	Open	2-3	7	1710031101	Althouse Creek		
11	360	SWOMC	Open	3-4	1	1710031101	Althouse Creek		
12	70	SWOMC	Open	>=4	9	1710031101	Althouse Creek		

- 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.

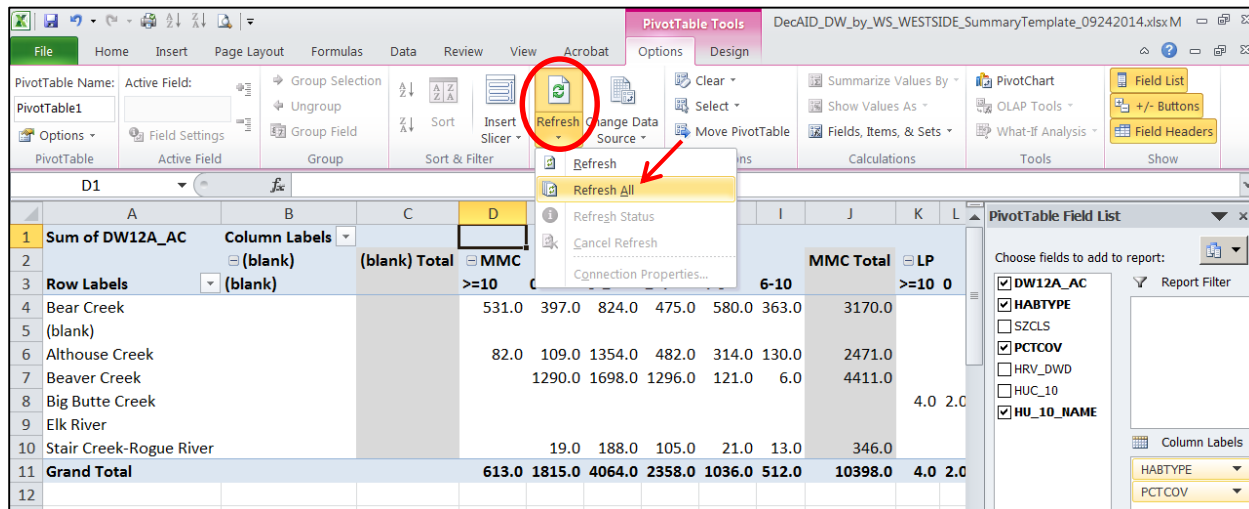


Regional Analysis results to paste into template worksheet:

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.



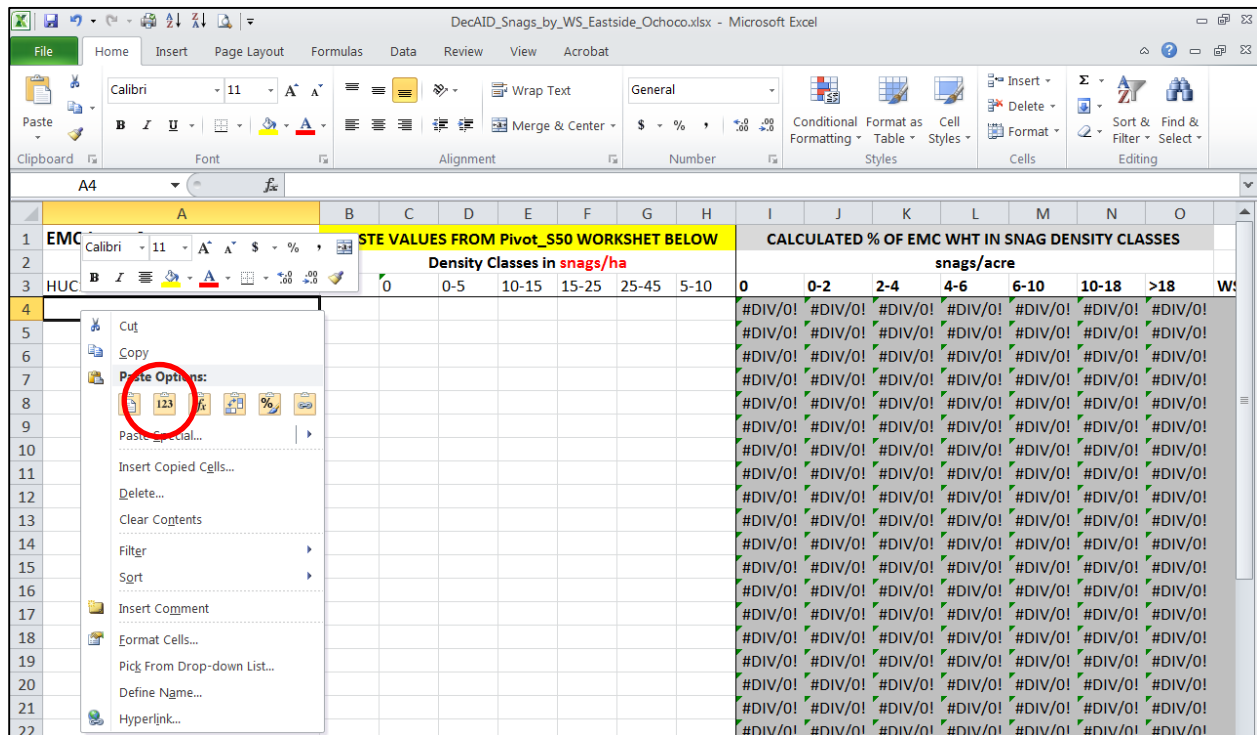
NOTE: As long as your data in the yellow tabs contains no more than 5,000 records you will not need to Change Data Source. If your data has more records you will also need to Change Data Source (see Appendix A).

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.

Row Labels	>=45	0	0-5	10-15	15-25	25-45	5-10	EMC_ECB Total	>=45	0	0-5	10-15	15-25	25-45	5-10	LP Tot
Bear Creek	0	1944	446	30	2	6	86	2514								
Bridge Creek	144	9026	6955	1194	2034	558	2817	22728								
Camp Creek	0	1304	579	85	11	10	173	2162								
Deep Creek	63	8432	6942	1743	1357	570	3315	22422	2	109	105	36	29	6	55	3
Horse Heaven Creek-Crooked River	30	9464	5045	622	496	178	1614	17449								
Juniper Butte-Crooked River																
Lower Beaver Creek	4	4252	2603	223	156	109	651	7998								
Lower Crooked Valley-Crooked River		0	0					0								
Lower Metolius River																
Lower North Fork Crooked River	2	1434	620	41	6	2	196	2301								
Lower Ochoco Creek	0	171	91	2	3	1	27	295								
Lower South Fork John Day River	113	9895	5894	1041	1230	288	3659	22120								
(blank)																
Grand Total	356	45922	29175	4981	5295	1722	12538	99989	2	109	105	36	29	6	55	3

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

B4		PASTE VALUES FROM Pivot_S50 WORKSHEET BELOW							CALCULATED % OF EMC WHT IN SNAG DENSITY CLASSES						
		Density Classes in snags/ha							snags/acre						
		>=45	0-5	10-15	15-25	25-45	5-10	0	0-2	2-4	4-6	6-10	10-18	>18	WHT
1	EMC Large Snags														
2															
3	HUC10	0	1944	446	30	2	6	86	77	18	3	1	0	0	0
4	Bear Creek	144	9026	6955	1194	2034	558	2817	40	31	12	5	9	2	1
5	Bridge Creek	0	1304	579	85	11	10	173	60	27	8	4	1	0	0
6	Camp Creek	63	8432	6942	1743	1357	570	3315	38	31	15	8	6	3	0
7	Deep Creek	30	9464	5045	622	496	178	1614	54	29	9	4	3	1	0
8	Horse Heaven Creek-Crooked River								#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Juniper Butte-Crooked River								#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10	Lower Beaver Creek	4	4252	2603	223	156	109	651	53	33	8	3	2	1	0
11	Lower Crooked Valley-Crooked River		0	0					#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
12	Lower Metolius River								#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Lower North Fork Crooked River	2	1434	620	41	6	2	196	62	27	9	2	0	0	0
14	Lower Ochoco Creek	0	171	91	2	3	1	27	58	31	9	1	1	0	0
15	Lower South Fork John Day River	113	9895	5894	1041	1230	288	3659	45	27	17	5	6	1	1
16									(Ctrl)	#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.

DecAID_DW_by_WS_WESTSIDE_SummaryTemplate_09242014.xlsx - Microsoft Excel

FileHomeInsertPage LayoutFormulasDataReviewViewAcrobat

Paste

Clipboard

Font

Alignment

Number

General

Conditional Formatting

Format as Table

Cell Styles

Insert

Delete

Format

Cells

Editing

Σ

Sort & Filter

Find & Select

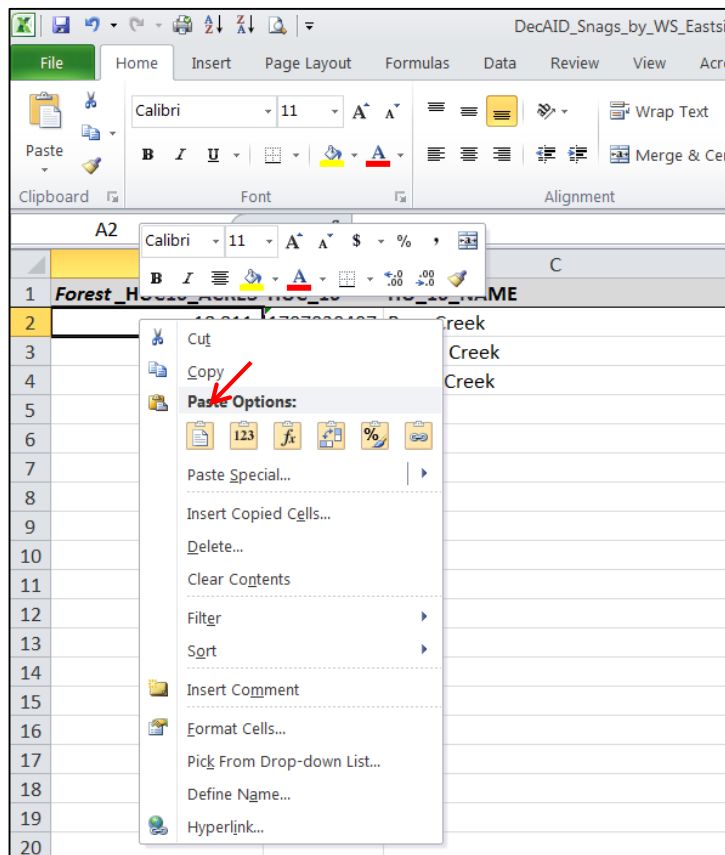
J12

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q			
1	Calculate weighted average for HRV across structural condition classes for each wildlife habitat type																			
2																				
3	Down wood >=20" diameter									Down wood >=20" diameter										
4	HABTYPE	SZCLS	PCTCOV DecAID Unharvested								WHT	SCC	HRV %	Fill in your HRV percentages in the yellow boxes						
5			0	0-2	2-4	4-6	6-8	>=8			MMC	Open								
6	MMC	Open	81	14	4	1	0	0			MMC	Small								
7	MMC	Small	55	27	12	4	1	1			MMC	Large		Fill in your HRV percentages in the yellow boxes						
8	MMC	Large	30	25	24	11	5	5	MMC											
9	LP	Open	88	8	3	1	0	0	Weighted Average		0	0-2	2-4	4-6	6-8	>=8				
10	LP	Small	78	18	1	3	0	0			0	0	0	0	0	0				
11	WLCH_OCO	Open	29	27	36	0	0	7						Fill in your HRV percentages in the yellow boxes						
12	WLCH_OCO	Small	24	24	12	17	9	14			WHT	SCC	HRV %							
13	WLCH_OCO	Large	25	29	21	12	4	9			LP	Open								
14	WLCH_OCA	Open	65	20	11	0	0	5			LP	Small		Fill in your HRV percentages in the yellow boxes						
15	WLCH_OCA	Small	38	29	15	8	3	7												
16	WLCH_OCA	Large	27	20	21	15	8	9	LP											
17	WLCH_WCO	Open	no data											Fill in your HRV percentages in the yellow boxes						
18	WLCH_WCO	Small	44	35	5	4	9	4	Weighted Average		0	0	0	0	0	0				
19	WLCH_WCO	Large	14	7	13	37	5	24						Fill in your HRV percentages in the yellow boxes						
20	WLCH_WCA	Open	60	11	20	0	3	7			WHT	SCC	HRV %							
21	WLCH_WCA	Small	40	25	19	11	2	4			WLCH_OCO	Open								
22	WLCH_WCA	Large	27	28	16	13	7	9			WLCH_OCO	Small		Fill in your HRV percentages in the yellow boxes						
23			0	0-1	1-2	2-3	3-4	>=4			WLCH_OCO	Large								
24	SWOMC	Open	73	3	8	7	1	9						Fill in your HRV percentages in the yellow boxes						
25	SWOMC	Small	78	8	9	3	1	1	WLCH_OCO		0	0-2	2-4					4-6	6-8	>=8
26	SWOMC	Large	41	8	20	10	6	15	Weighted Average		0	0	0					0	0	0
27																				
28											WHT	SCC	HRV %	Fill in your HRV percentages in the yellow boxes						
29											WLCH_OCA	Open								
30											WLCH_OCA	Small								

Step 5 – Create List of Watersheds with HUC10 Code and Watershed Name – OPTIONAL

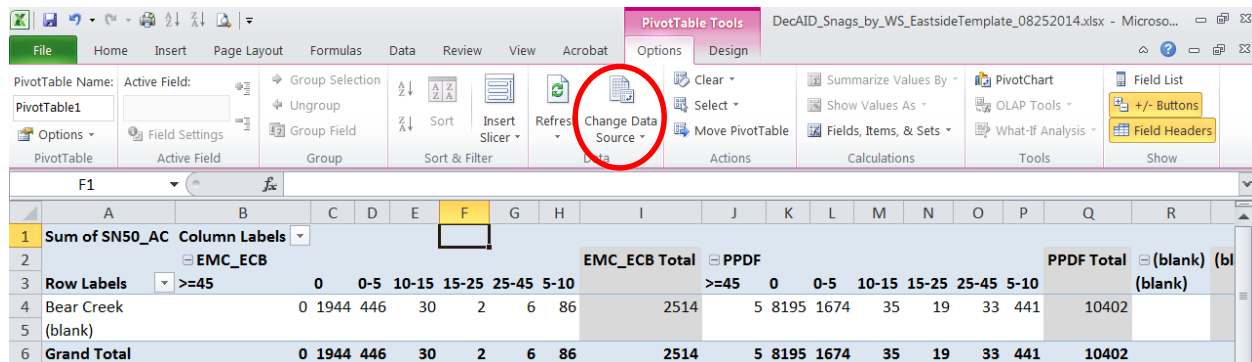
This step is optional if you would like a complete set of Watershed Names and Codes.

- 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.

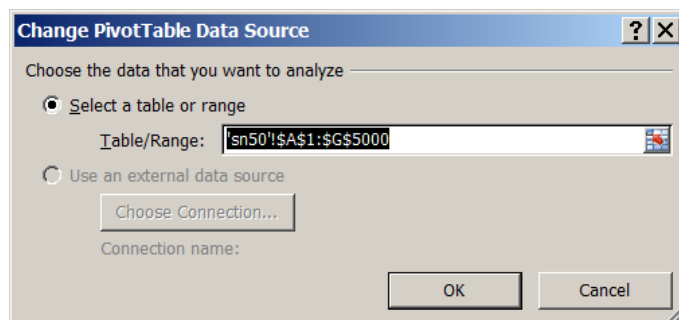


Appendix A – Changing Data Source in a Pivot Table

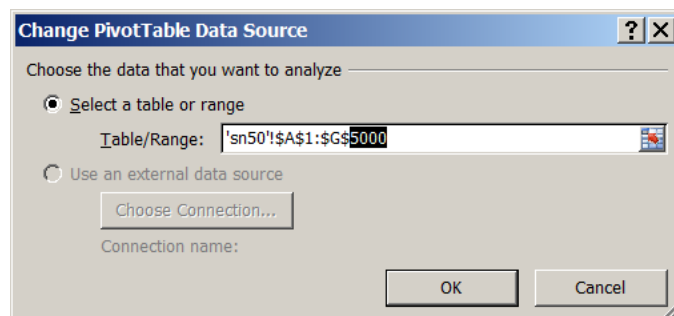
If data for your Forest or Analysis Area contains more than 5,000 rows you will need to update the data source using PivotTable Tools/Options/Change Data Source.



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.