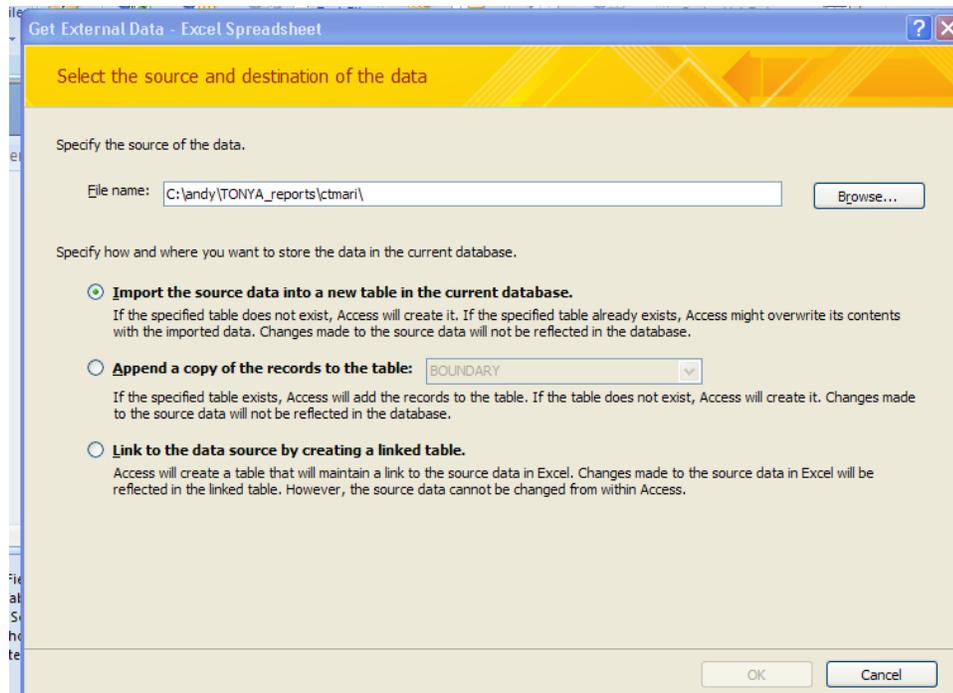


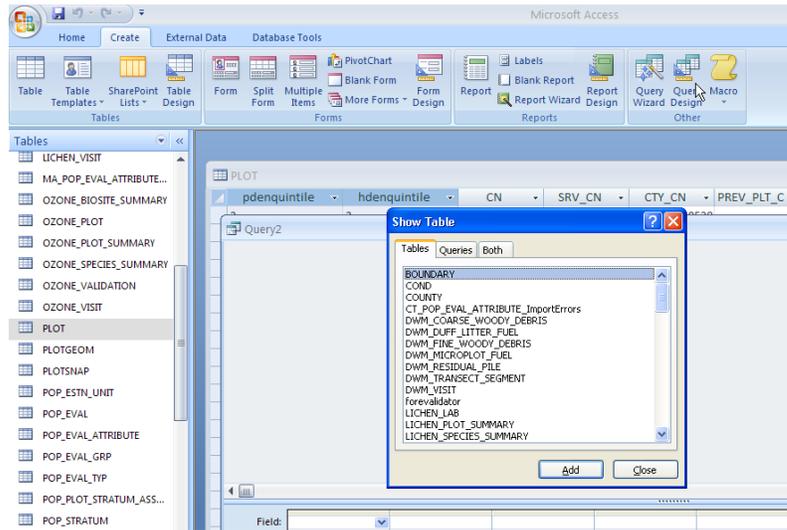
Tutorial for adding external GIS data to evaluator

1. Get a list of the plot CN's and your lon_actual and lat_actual for your evaluation(s) of interest. Make absolutely certain that you have at least the same exact plots that are found in the PPSA table for your evaluation (the same plot_cn's). This can be done with a query like the following (but it would be better to have a query that gets plotcn's from the ppsa table for the appropriate evalid, then joins that table to the nims.nims_plot_tbl to get the correct plot cn's to use...:
select * from nims.nims_plot_tbl
where statedc in (9,25,44) and invyr>2002
2. Download your state(s) version of PC evaluator from the fiatools website. You can download additional states to add to the same access db.
3. Make sure that the FIADB (Evaluator) plotCN is the same plot as the plotCN you got from the above query – i.e., that they correspond. If they don't you need another lookup table that some NIMS person can give you – the point is, you want to get the actual lat/long attached to each FIADB plot_cn.
4. Attach the variable of interest to each FIADB plot_cn using GIS. This is a simple enough procedure. It involve loading the plots as an event theme, converting to shapefile, and then loading your “ancillary” dataset, like census layers, into ArcMap and in some way (Hawth's tools, Spatial Join, etc.) acquiring the value of the ancillary GIS data at each plot location.
5. Bring a table into Access using the “External Data”, excel tool to import the intersected fiadb plot_cn – GIS value table:

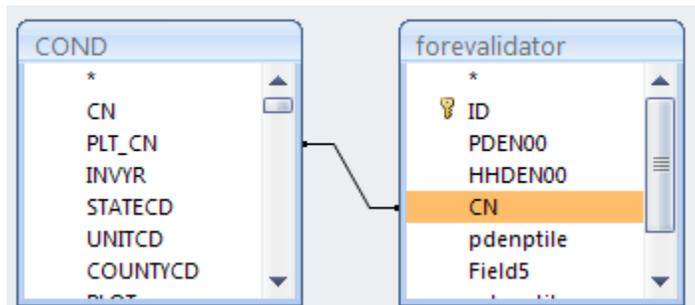


6. Make sure you have formatted the GIS file's fiadb plot CN column as Text (right click it in the table view and choose “design”).

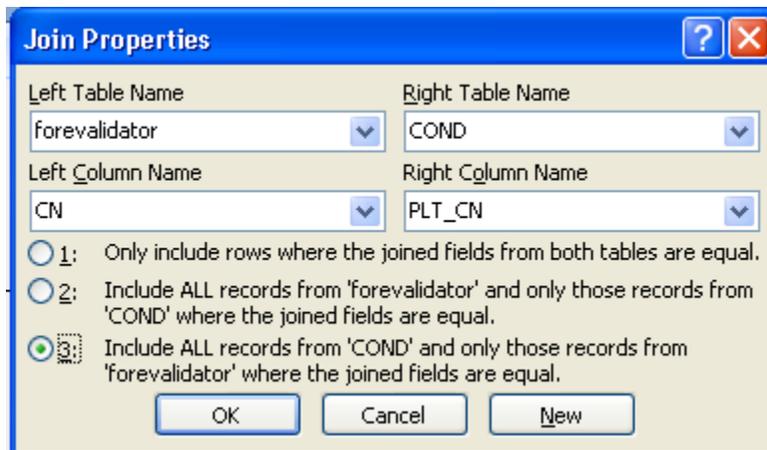
- Next, add a blank query design -- create, query design -- and add the 2 tables (COND and the GIS file table) into the query design page



- Click the FIADB plotCN field in the "GIS table", which in this case is "forevalidator" and drag over to the CN in the COND table.



- Double click the connector line and get the dialogue -- you want "all records in the plot table and only records in the "GIS" table where CN = CN. This will create a temporary table that contains all of the PLOT data, and some new columns -- the columns you ask for in the query (step 9)...

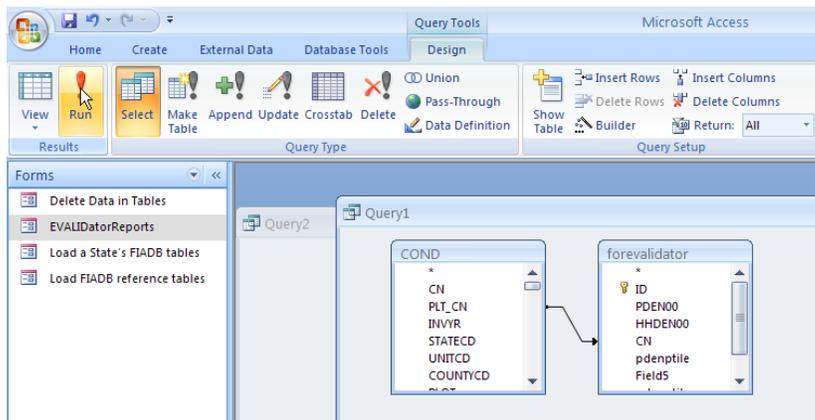


10. Now select what columns you want to eventually add to the cond table as shown:

Field:	PLT_CN	pdenqtile	hdenqtile
Table:	COND	forevalidator	forevalidator
Sort:			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:			
or:			

Note in this case, I've asked for the temporary table to JUST have plot CN and the 2 variables of interest, pdenqtile (popdensity quintile) and hdenqtile(housedensity quintile).

11. Run the query by pushing the “query tools” and “run” buttons:

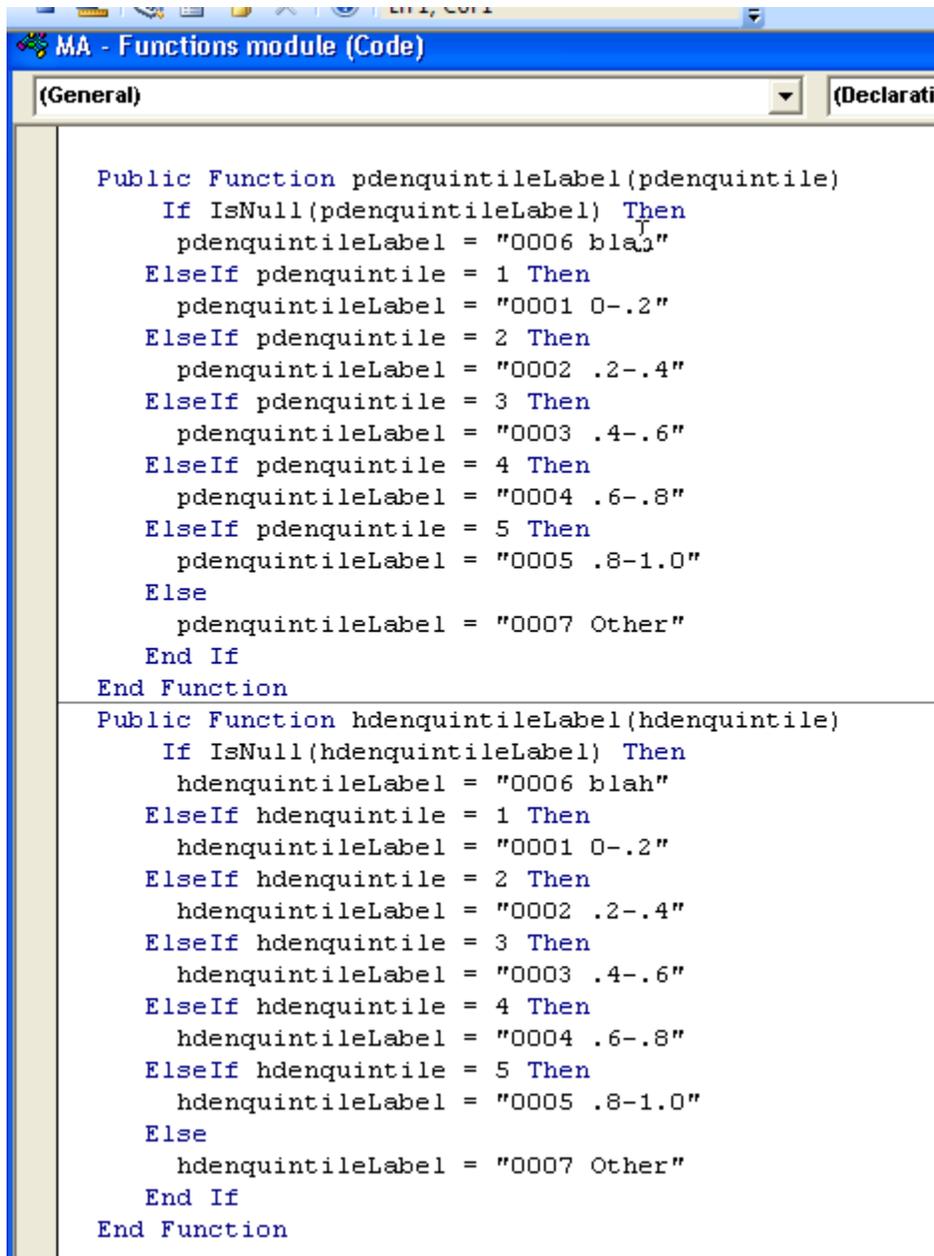


12. You will have a table with the same # of rows as the original COND table, in the same sort order, with 2 new columns – pdenquintile and hdenquintile. Simply copy the two new columns and paste them at the far right of the cond table – you have just added a new cond level variable to Evaluator PC! (this step actually requires that you right click the column headings and insert 2 new columns, rename them appropriately, then you paste the data...but you get the idea)

13. Now, open the ref_PRC file and make an edit as shown:

REF_PRC						
CLASSNB R	CONDREESEE D	CLASSNM	FUNCTIONNM	PAGECLAS S	ROWCLAS S	COLCLAS S
56	COND	Populatio n Density Class	pdenquintileLabel(cond.pdenquint ile)	Y	Y	Y
57	COND	Housing Density Class	hdenquintileLabel(cond.hdenquint ile)	y	y	y

14. Now, open the VB editor (alt-F11) and open the modules function, and make a new function, as shown:



```
MA - Functions module (Code)
(General) (Declarati

Public Function pdenquintileLabel(pdenquintile)
    If IsNull(pdenquintileLabel) Then
        pdenquintileLabel = "0006 blah"
    ElseIf pdenquintile = 1 Then
        pdenquintileLabel = "0001 0-.2"
    ElseIf pdenquintile = 2 Then
        pdenquintileLabel = "0002 .2-.4"
    ElseIf pdenquintile = 3 Then
        pdenquintileLabel = "0003 .4-.6"
    ElseIf pdenquintile = 4 Then
        pdenquintileLabel = "0004 .6-.8"
    ElseIf pdenquintile = 5 Then
        pdenquintileLabel = "0005 .8-1.0"
    Else
        pdenquintileLabel = "0007 Other"
    End If
End Function

Public Function hdenquintileLabel(hdenquintile)
    If IsNull(hdenquintileLabel) Then
        hdenquintileLabel = "0006 blah"
    ElseIf hdenquintile = 1 Then
        hdenquintileLabel = "0001 0-.2"
    ElseIf hdenquintile = 2 Then
        hdenquintileLabel = "0002 .2-.4"
    ElseIf hdenquintile = 3 Then
        hdenquintileLabel = "0003 .4-.6"
    ElseIf hdenquintile = 4 Then
        hdenquintileLabel = "0004 .6-.8"
    ElseIf hdenquintile = 5 Then
        hdenquintileLabel = "0005 .8-1.0"
    Else
        hdenquintileLabel = "0007 Other"
    End If
End Function
```

It should work!