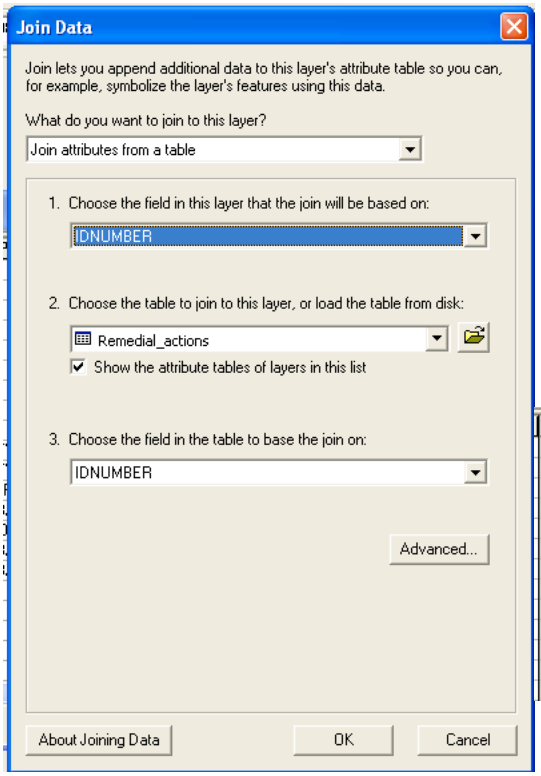
Chapter 9 Joining and relating tables
9A

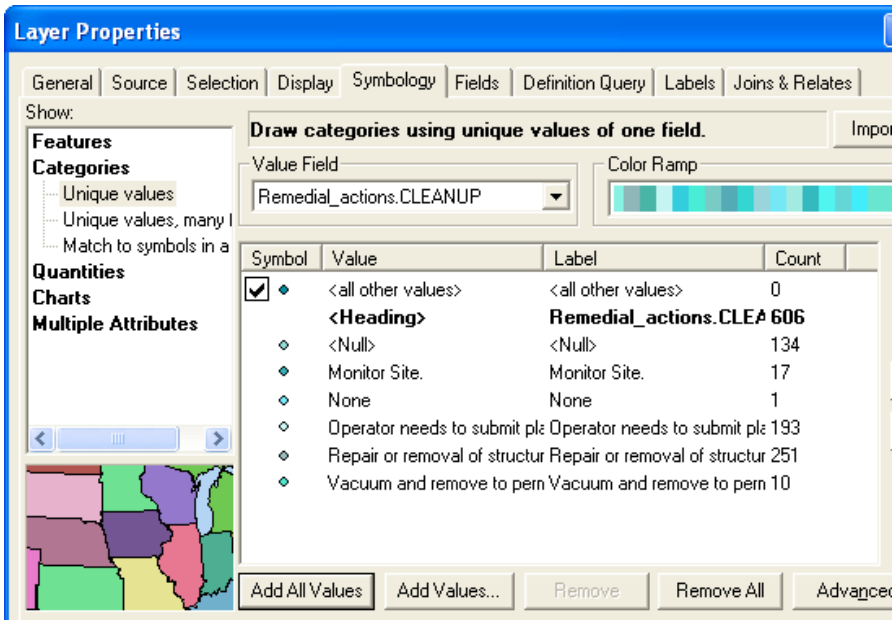


The left dialogue box came from right clicking the layer in the table of contents. Since I right clicked on the Pits_75 layer I chose Remedial_actions in number two drop down menu. Drop box one and three should match.

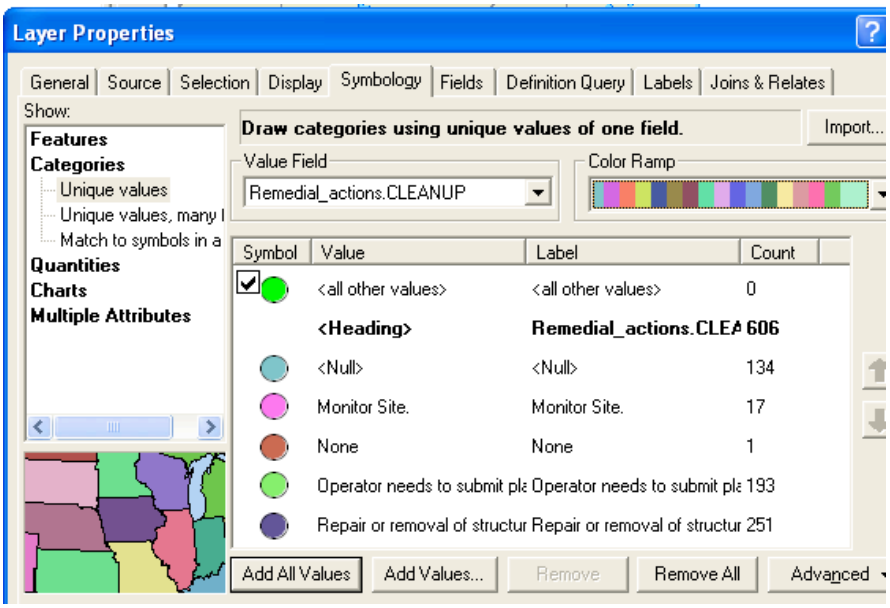
If you notice below there are some <NULL> that is due to the fact that the value from were that data came from was empty.

Remedial_actions.CLNUP_HAZ	Remedial_actions.CLEANUP
None	Operator needs to submit plan to LADNR for clean-up procedure for approval.
None	Operator needs to submit plan to LADNR for clean-up procedure for approval.
None	Operator needs to submit plan to LADNR for clean-up procedure for approval.
None	Operator needs to submit plan to LADNR for clean-up procedure for approval.
<Null>	<Null>
Non	Operator needs to submit plan to LADNR for clean-up procedure for approval.
Non	Operator needs to submit plan to LADNR for clean-up procedure for approval.
Non	Operator needs to submit plan to LADNR for clean-up procedure for approval.
None	Operator needs to submit plan to LADNR for clean-up procedure for approval.
None	Operator needs to submit plan to LADNR for clean-up procedure for approval.
<Null>	<Null>
None	Monitor Site.
No	Operator needs to submit plan to LADNR for clean-up procedure for approval.

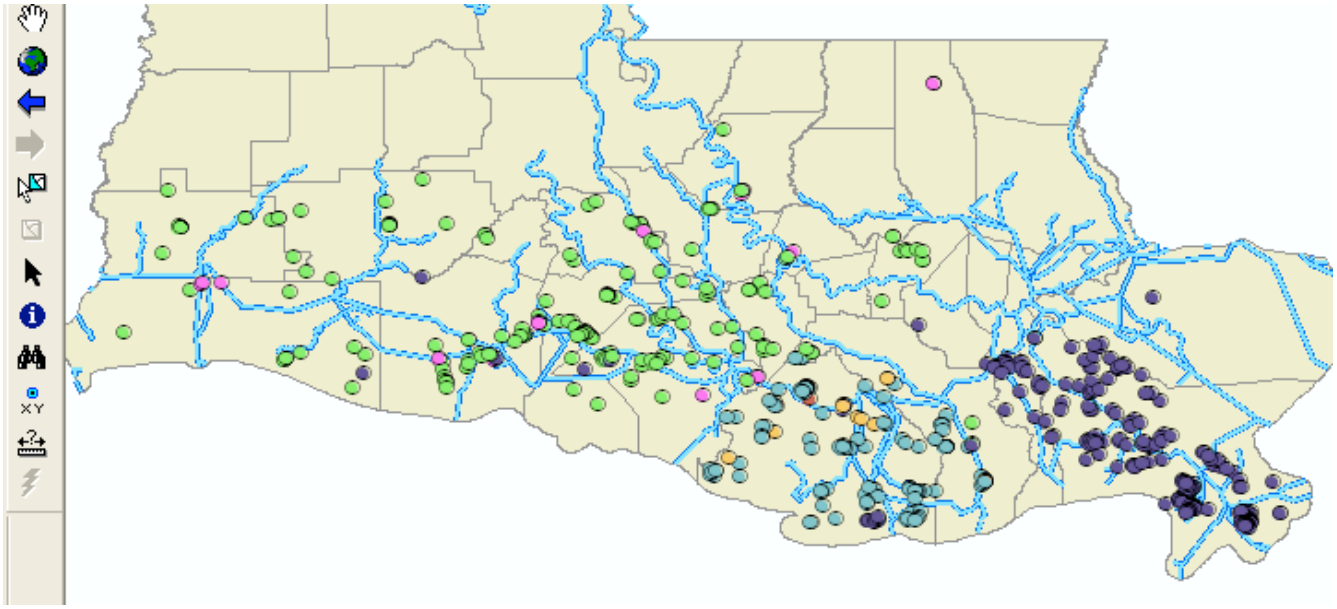
On the Pit_75, the layer properties was chosen and then the Value Field was changed to REMEDIAL-actions.CLEANUP. Added all values

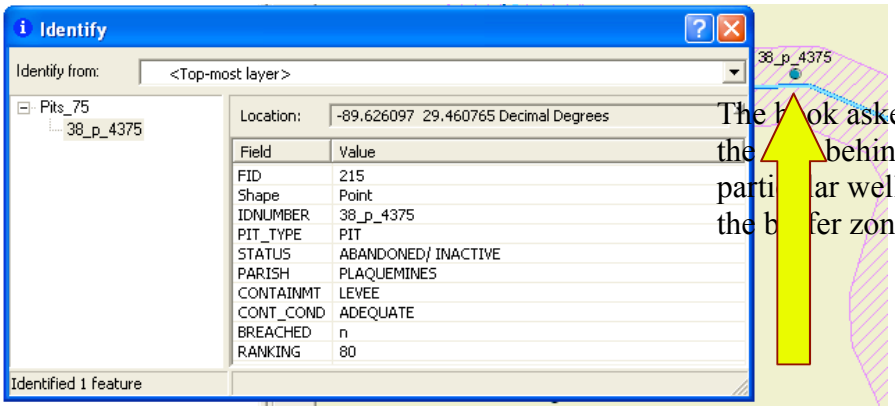


By right clicking on the Symbol column the symbol size can be changed along with its shape and color. In this case we use the color ramp which will give us the best contrasting colors.



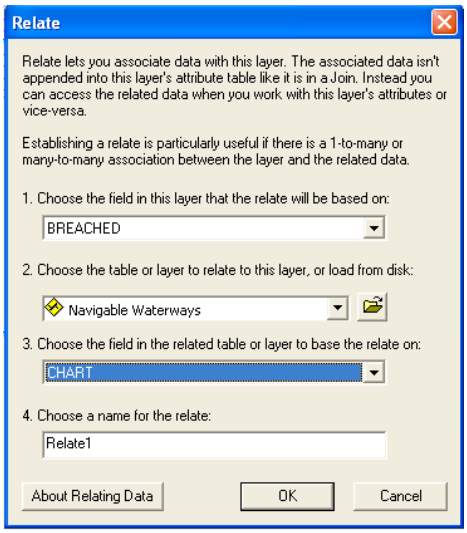
Below is the visual results that represent the various wells data.





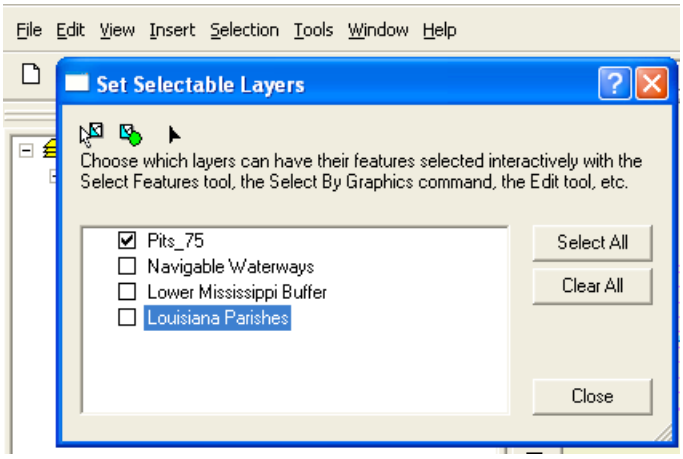
The book asked to look at the [illegible] behind this particular well as it is in the buffer zone.

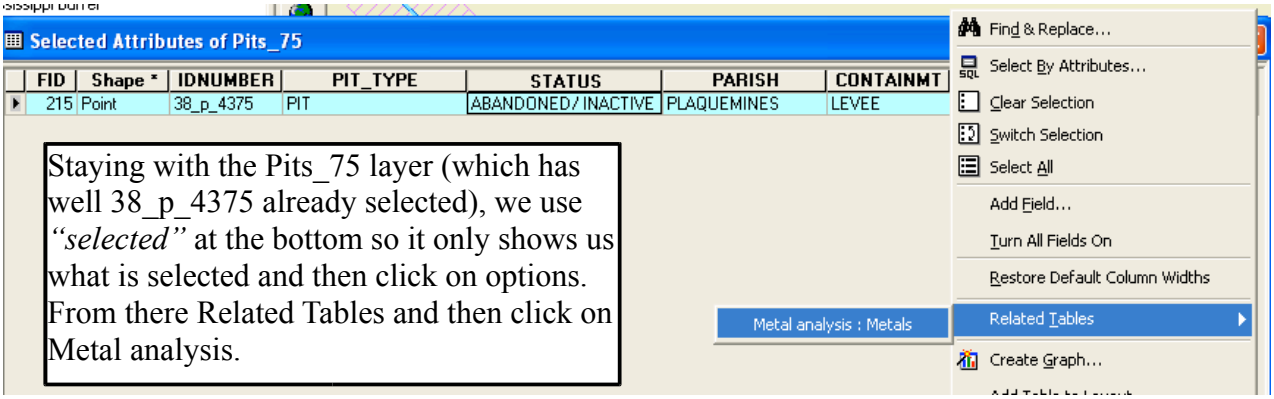
This is the beginning of relating two different data tables. This was done by right clicking on Pits_75 and choosing Relate. That brings up the dialogue box on the right.



Number 1 will be changed to IDNUMBER and number 2 will be changed to Metals and number 3 will be changed to match 1 which is IDNUMBER. Then we give number 4 the name of Metal analysis.

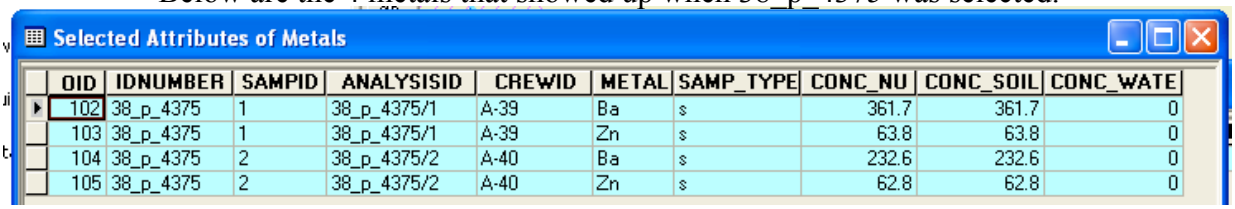
This dialogue box was reached through Selection on the menu bar. We choose Pits_75 as the only layer to provide interactivity with.





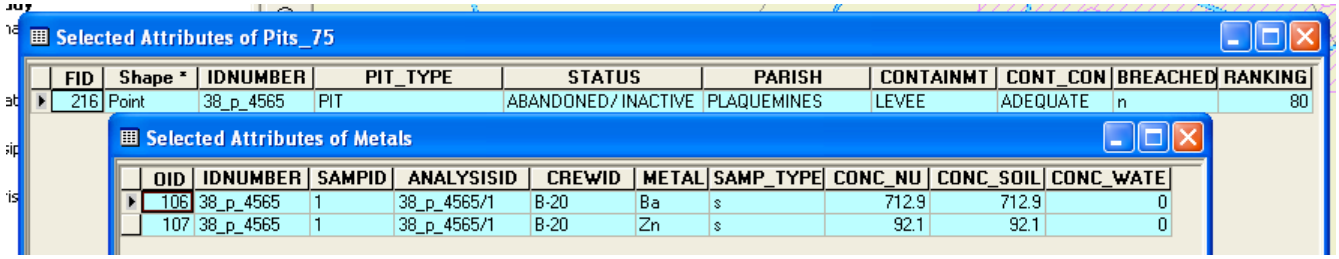
Staying with the Pits_75 layer (which has well 38_p_4375 already selected), we use *"selected"* at the bottom so it only shows us what is selected and then click on options. From there Related Tables and then click on Metal analysis.

Below are the 4 metals that showed up when 38_p_4375 was selected.

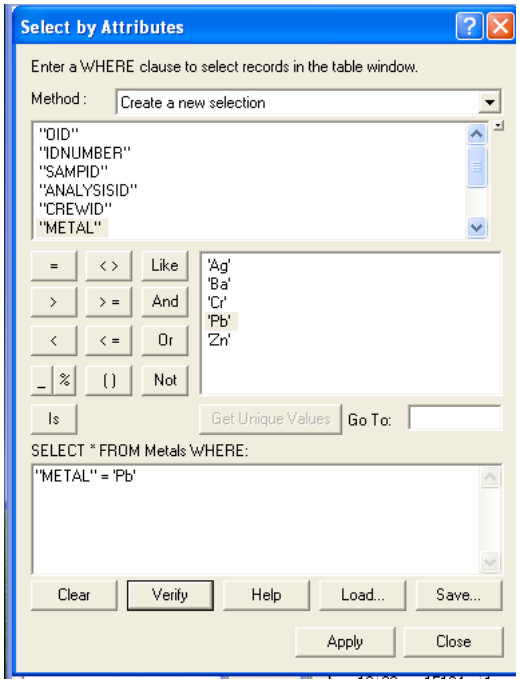


OID	IDNUMBER	SAMPID	ANALYSISID	CREWID	METAL	SAMP_TYPE	CONC_NU	CONC_SOIL	CONC_WATE
102	38_p_4375	1	38_p_4375/1	A-39	Ba	s	361.7	361.7	0
103	38_p_4375	1	38_p_4375/1	A-39	Zn	s	63.8	63.8	0
104	38_p_4375	2	38_p_4375/2	A-40	Ba	s	232.6	232.6	0
105	38_p_4375	2	38_p_4375/2	A-40	Zn	s	62.8	62.8	0

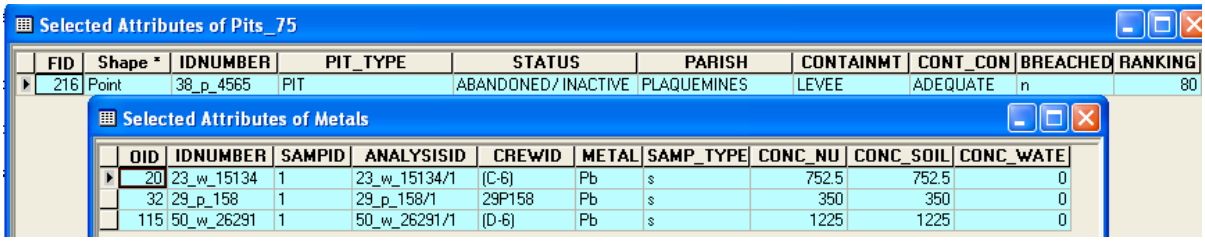
Selecting well 38_p_4565 we find that it has two different metal containments.

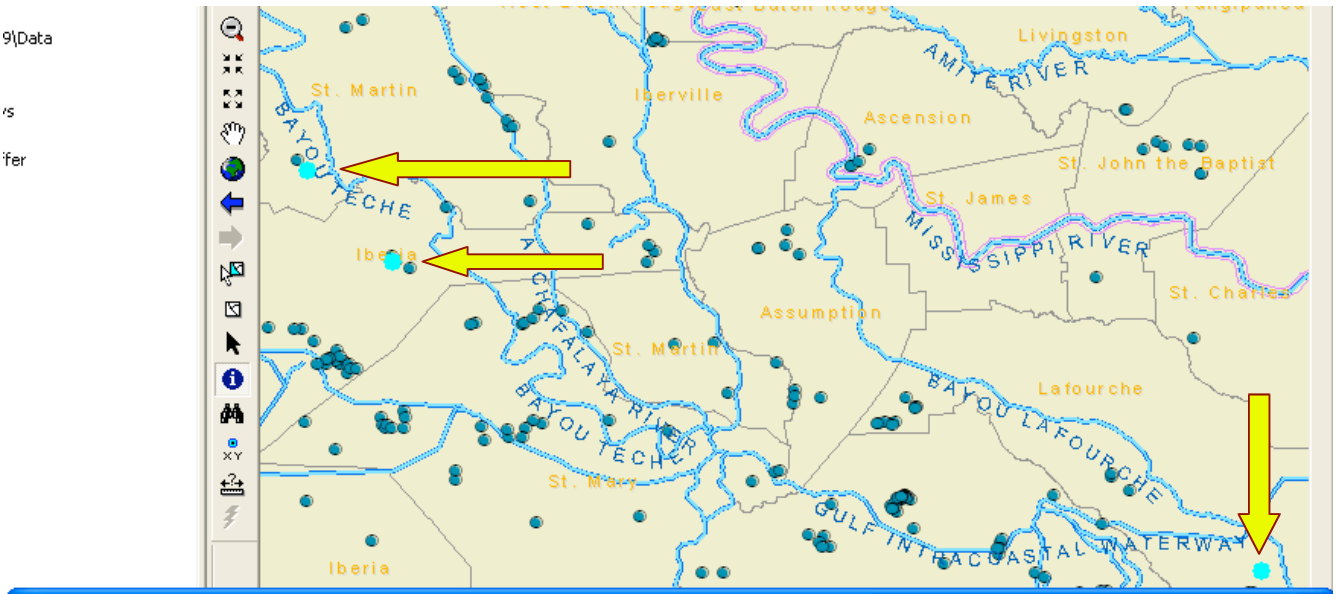


We can narrow that selection down by using Select by Attributes. Here we use the data from "METAL" and match it to Pb.



Below you can see the results of the selection showing 3 well sites that have the metal contaminate Pb, as well as other pertinent data.





Selected Attributes of Pits_75

FID	Shape *	IDNUMBER	PIT_TYPE	STATUS	PARISH	CONTAINMT	CONT_CON	BREACHED	RANKING
59	Point	23_w_15134	WELL	ACTIVE	IBERIA	NONE	INADEQUATE	n	80
130	Point	29_p_158	PIT	ABANDONED/ INACTIVE	LAFOURCHE	LEVEE	ADEQUATE	n	75
408	Point	50_w_26291	WELL	ABANDONED/ INACTIVE	ST. MARTIN	NONE	INADEQUATE	y	75

Above we used Selection on the menu bar to find *"zoom by selected features"*. As you can see they map expands so that you are able to see the 3 wells (light blue) that have been selected.