

**3.8. Errors in landscape feature and attribute data.** As a user of the Brown Tract GIS databases, you are very interested in the quality of data that each provides. What might you say about the possible errors in the stands GIS database features that are located in the following places?

a. X = 1263950; Y = 371726

b. X = 1273647; Y = 363943

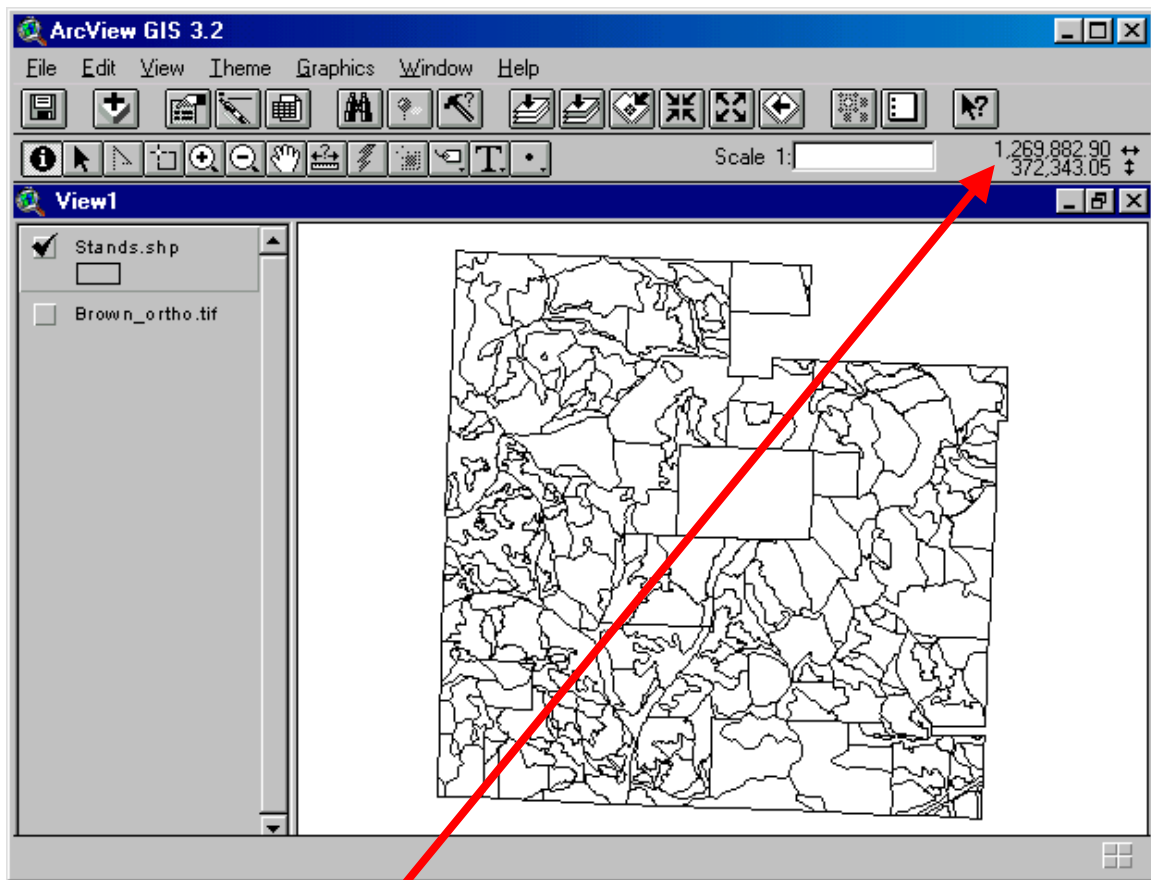
Open the Brown Tract stands GIS database in an ArcView View Window.

Open the Brown Tract digital orthophotograph in the same View Window. Remember to change the Data Source Type to "Image Data Source" to be able to open the orthophotograph. We will use the orthophotograph to examine the correctness of the stand boundaries.

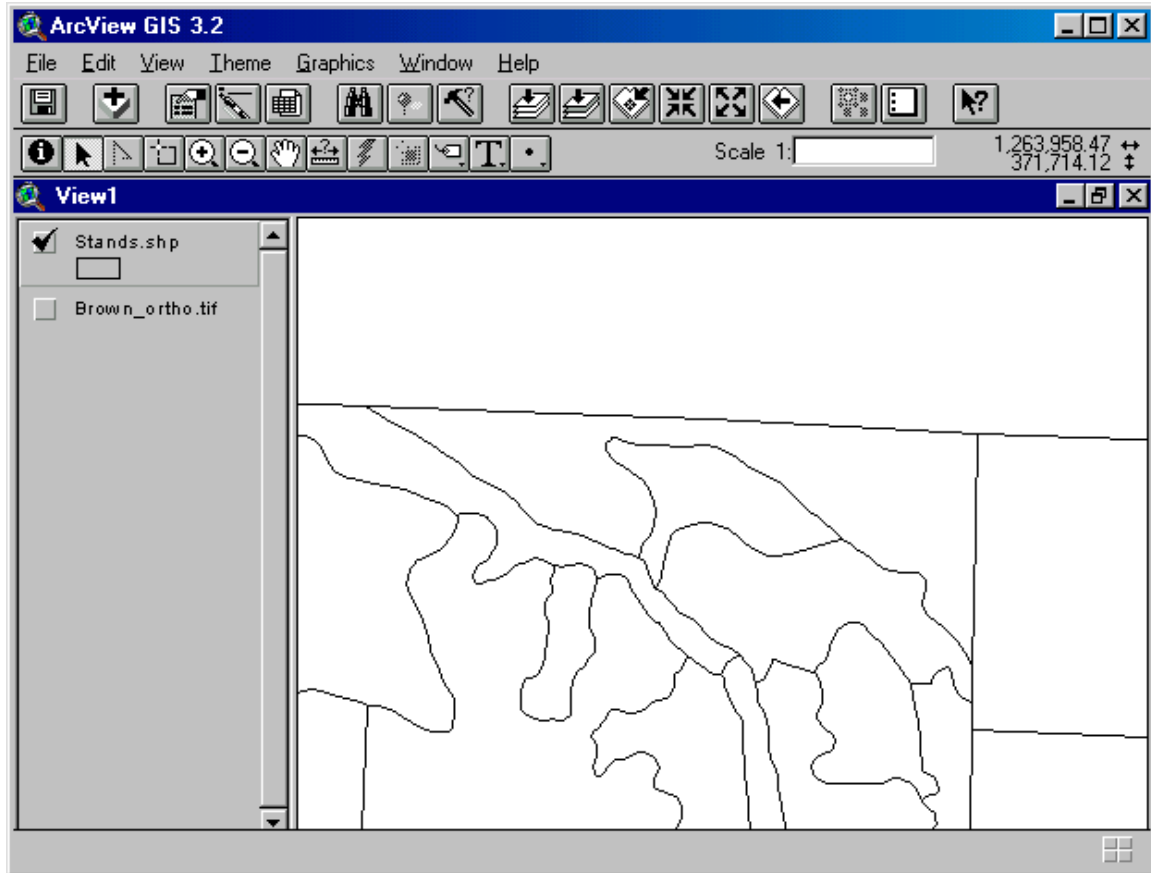
Search the landscape for the coordinates:

x = 1263950

y = 371726

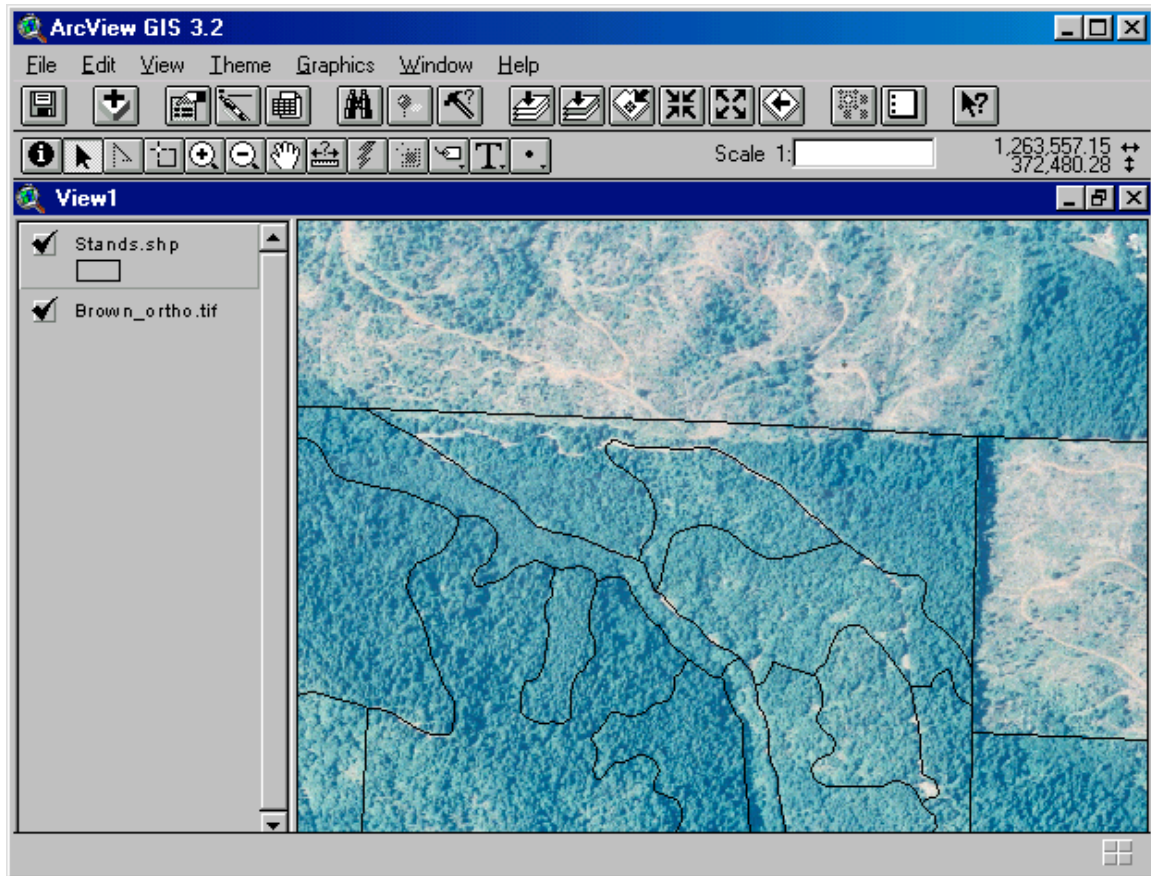


Watch the coordinate position of your mouse to determine where you are on the landscape.



The upper-middle portion of the Brown Tract is where the first set of coordinates lie.

By turning on the orthophotograph, we see one of two things: (1) the boundary of the Brown Tract (as represented by the stands GIS database) is incorrect, or (2) the adjoining neighbor harvested some of the timber that was once on the Brown Tract.

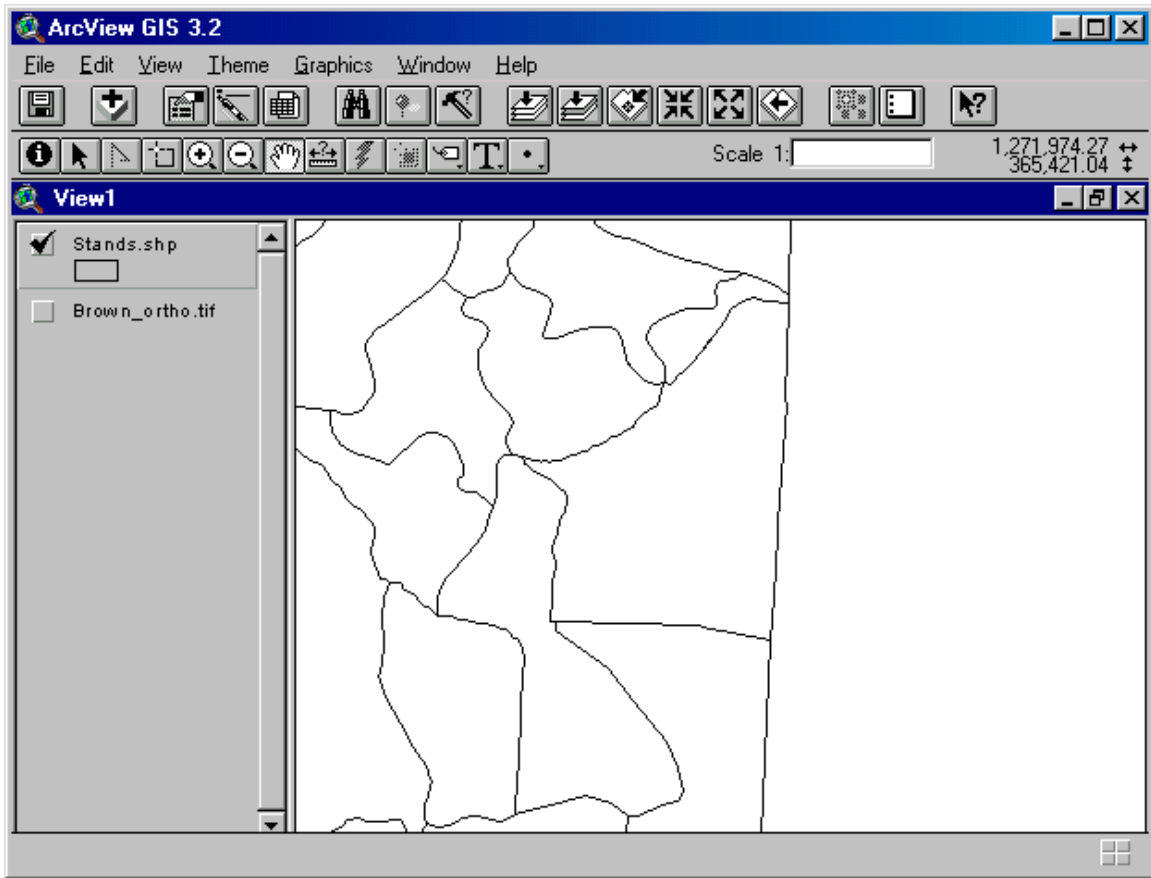


By searching the Brown tract for the coordinates

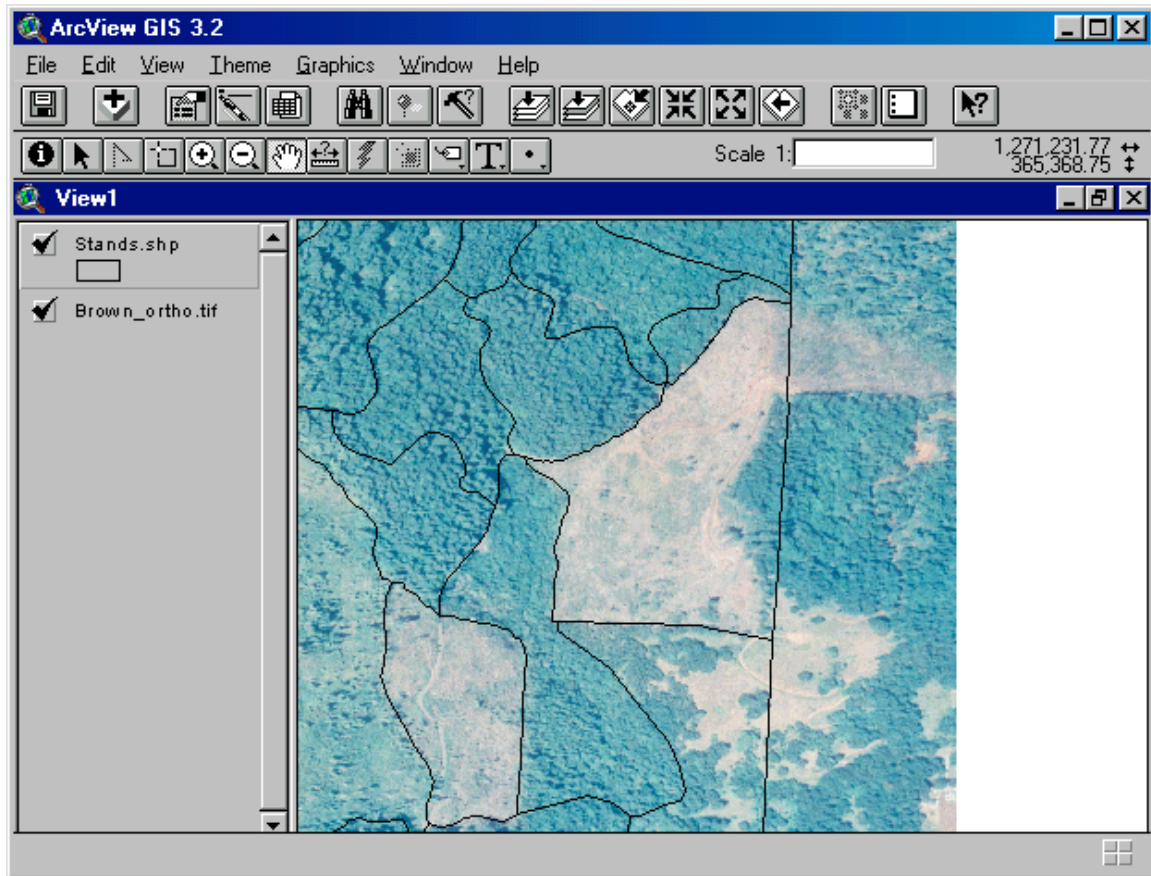
$x = 1273647$

$y = 363943$

we find that we are now in the middle of the right-hand side boundary of the Brown Tract.



Here, after again viewing the orthophotograph, we find that perhaps one polygon is missing from the Brown Tract stands GIS database.



How could this have happened?

It is most likely a human error associated with either (1) the typing of the stands, or (2) the updating of the stands after a recent clearcutting activity.