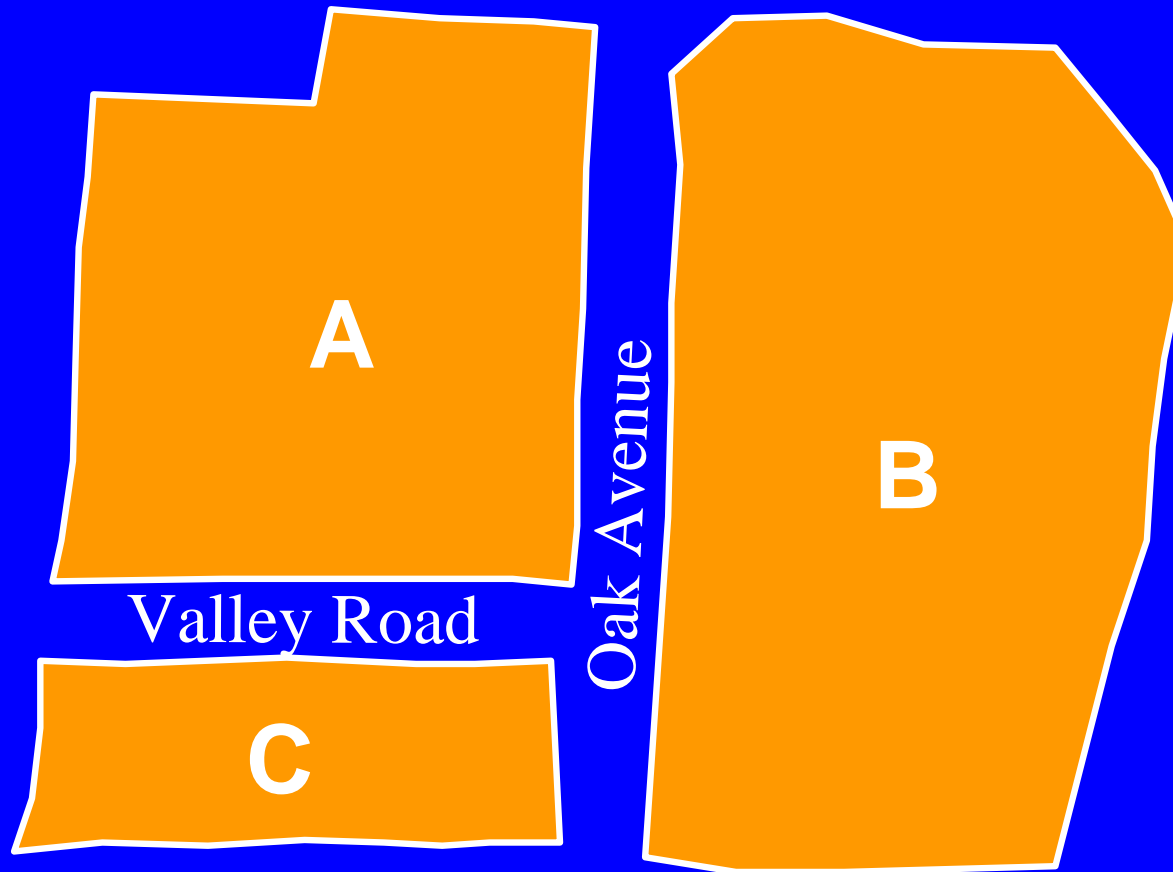


Accuracy issues

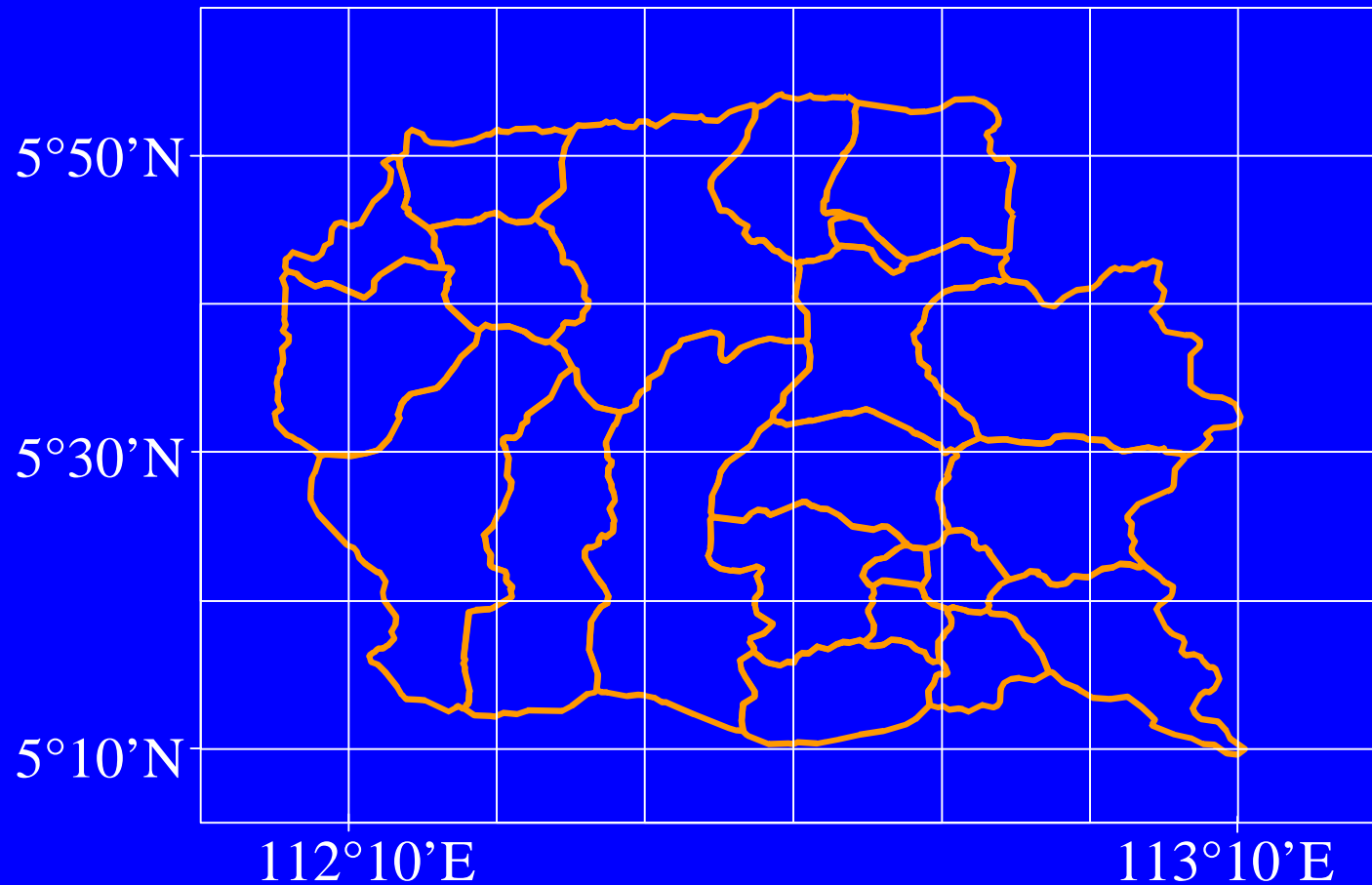
Logical accuracy

relationships among the spatial features are correctly represented



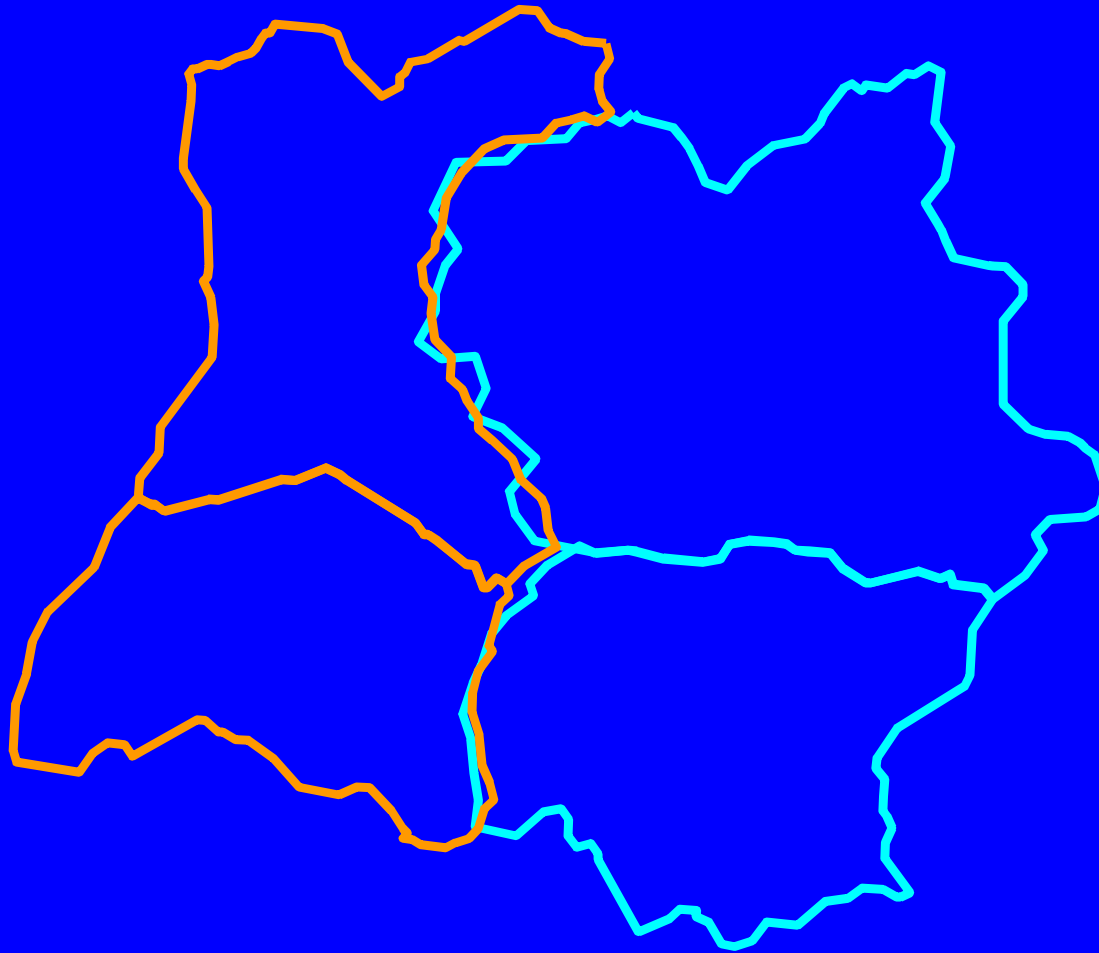
- E.g.,
- enumeration area A is a neighbor of B
 - A borders Valley Road and Oak Avenue

Positional accuracy



Map is in a proper geographic reference system
and all spatial features are represented at their true position

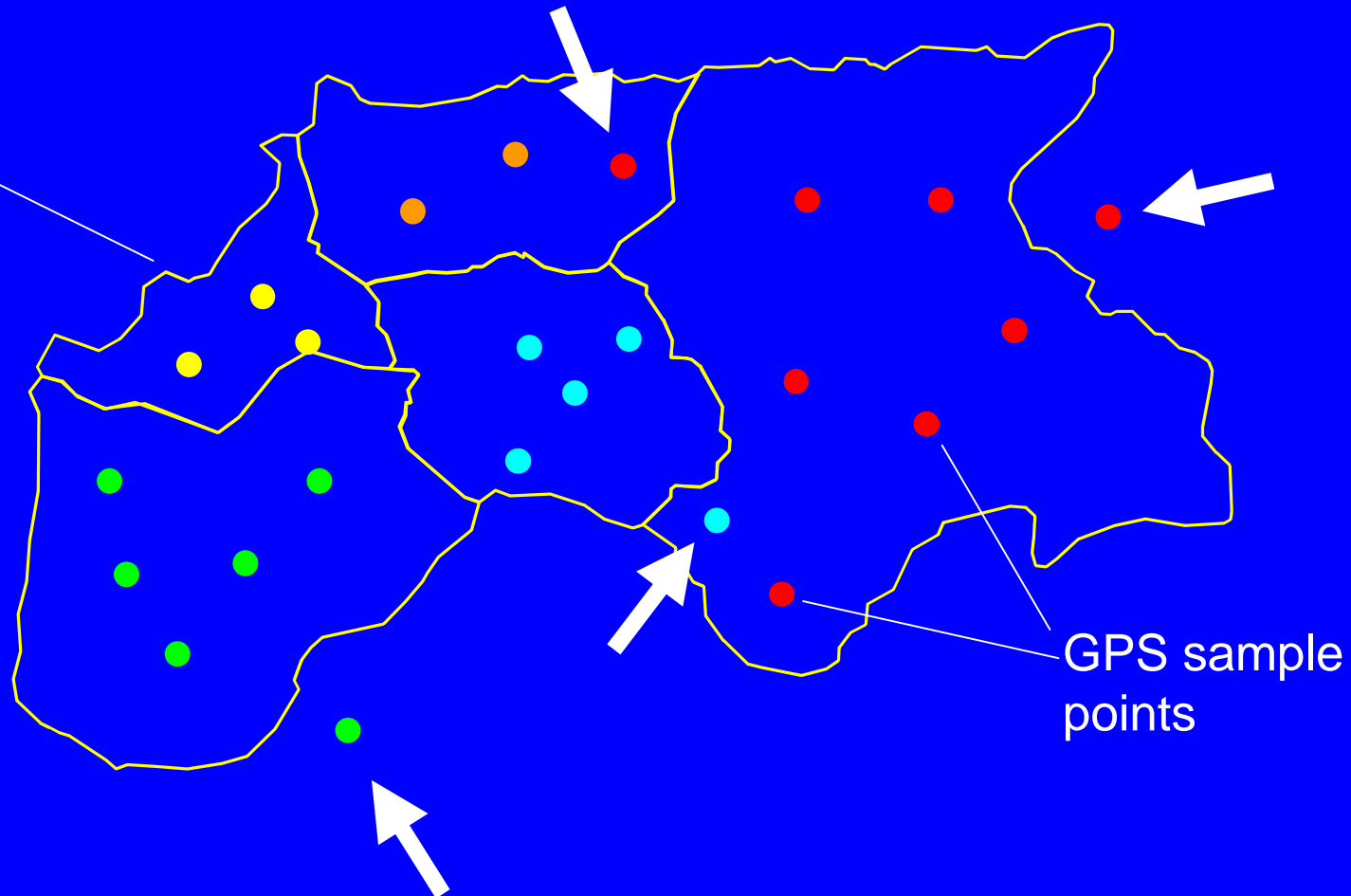
Problems if positional accuracy is not maintained



Boundaries of separate EA sketch maps may not match if they are combined into a larger map

Problems if positional accuracy is not maintained

distorted
census map



GPS sample
points

Points may fall outside the region
Points may fall into the wrong region

Logical versus positional accuracy

- for census mapping, only logical accuracy is important
- however, if other databases are integrated later, problems can occur
- obtaining high degree of positional accuracy increases cost of cartographic work
- time/cost savings may outweigh the disadvantages in some cases

Logical versus positional accuracy

- trade-off between cost savings and versatile, multi-purpose database
- short term savings versus long term benefits