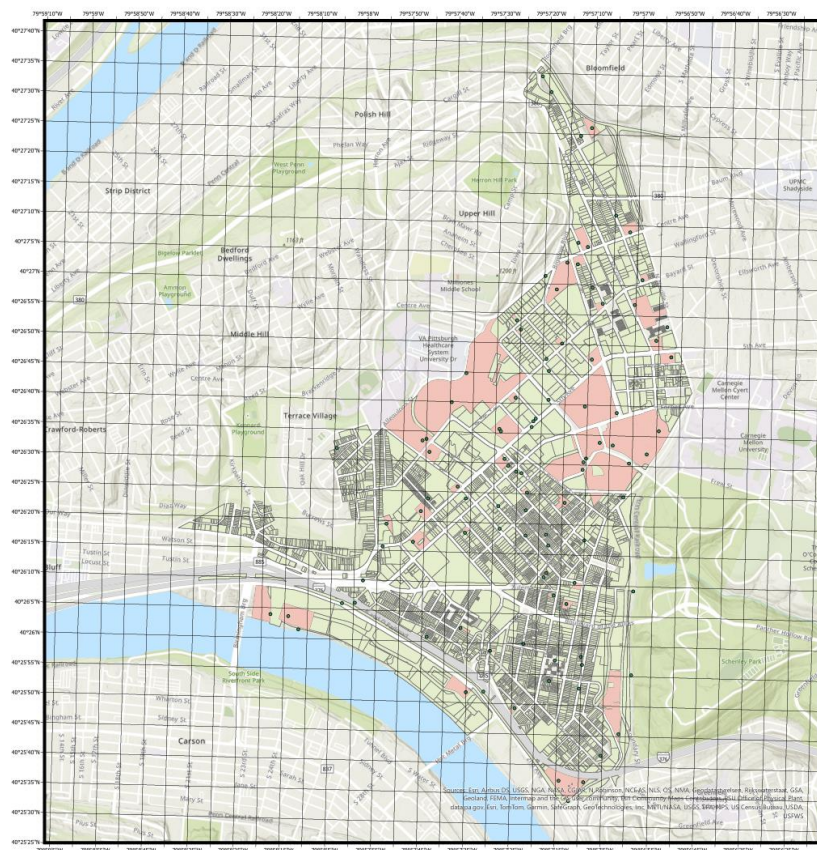


Project 2 KIS104

Random Spots

The screenshot shows a GIS application window titled "MyProject" with a command search bar. The main interface displays a table of parcel boundaries for Oakland. The table has columns for Modified By, Modified On, Created By, Created On, Comments, Shape Length, Shape Area, and Geo Name. The table is filtered to show 50 of 4,793 selected records. The interface also includes a Contents pane on the left with a search bar and a Drawing Order list, and a right sidebar with buttons for Element, Export, Create Features, and Modify Features.

| | MODIFIEDBY | MODIFIEDON | CREATEDBY | CREATEDON | COMMENTS | SHAPE Leng | Shape Le_1 | Shape Area | geo_name_n |
|----|------------|-----------------------|-----------|-----------------------|----------|------------|------------|-------------|--------------------------|
| 30 | 1099136 | 4/20/2005 10:51:08 AM | | | | 156.401552 | 156.401552 | 1210.982771 | So-cu=th< Oa/kilaind |
| 31 | 1099136 | 11/6/2006 1:55:07 PM | 1099136 | 11/6/2006 11:43:01 AM | | 86.948117 | 86.948117 | 440.425056 | South Oakland |
| 32 | 1099136 | 4/20/2005 10:51:16 AM | | | | 259.603472 | 259.603472 | 2422.482835 | North Oakland |
| 33 | 1086163 | 6/6/2006 9:41:41 AM | 1086163 | 6/6/2006 8:51:13 AM | | 240.705679 | 240.705679 | 2503.013378 | We<s&t? Oa-ikland |
| 34 | 1099136 | 4/20/2005 10:51:11 AM | | | | 242.423916 | 242.423916 | 2284.584422 | Central Oakland |
| 35 | 1096780 | 9/27/2013 11:32:07 AM | | | | 106.023746 | 106.023746 | 637.298359 | South Oakland |
| 36 | 1099136 | 11/6/2006 3:48:42 PM | 1099136 | 11/6/2006 3:10:34 PM | | 72.021802 | 72.021802 | 285.717713 | South Oakland |
| 37 | 1099136 | 4/20/2005 10:51:10 AM | | | | 164.514484 | 164.514484 | 979.877737 | West? -Oakland- |
| 38 | 1099136 | 4/20/2005 10:51:10 AM | | | | 277.306979 | 277.306979 | 3923.388502 | South Oakland |
| 39 | 1099136 | 4/20/2005 10:51:10 AM | | | | 299.737214 | 299.737214 | 3183.998114 | West Oakland |
| 40 | 1099136 | 4/20/2005 10:51:11 AM | | | | 184.478122 | 184.478122 | 1310.389858 | Central Oakland |
| 41 | 1099136 | 4/20/2005 10:51:08 AM | | | | 241.608851 | 241.608851 | 1917.451375 | Sjoultb O-a-kl-an^d^ |
| 42 | 1099136 | 4/20/2005 10:51:08 AM | | | | 235.985675 | 235.985675 | 3035.389848 | We=st %O^a%k^l%land- |
| 43 | 1099136 | 4/20/2005 10:51:07 AM | | | | 303.725793 | 303.725793 | 4995.498638 | Centra?l< ?Oa%k=-lan%... |
| 44 | 1106229 | 4/2/2013 8:47:20 AM | | | | 161.766152 | 161.766152 | 1492.973491 | Client^r<a%<O+ak&la... |
| 45 | 1099136 | 4/20/2005 10:51:08 AM | | | | 302.656467 | 302.656467 | 5091.973263 | W-es^t+ ^Oak?and! |
| 46 | 1099136 | 4/20/2005 10:51:08 AM | | | | 237.413802 | 237.413802 | 1995.913279 | South Oakland |
| 47 | 1096780 | 9/9/2013 9:35:37 AM | | | | 106.521475 | 106.521475 | 674.285315 | C^ent-r-a^l Oa-k?la+nd- |
| 48 | 1099136 | 4/20/2005 10:51:12 AM | | | | 334.127147 | 334.127147 | 4153.130551 | Nort^h &Oak?la&n<d |
| 49 | 1099136 | 4/20/2005 10:51:12 AM | | | | 286.256799 | 286.256799 | 2502.374837 | We%t!t &Oa-ikland |
| 50 | 1099136 | 4/20/2005 10:51:08 AM | | | | 246.301971 | 246.301971 | 2507.051111 | S-o-u+th&+ ?O-akla&... |

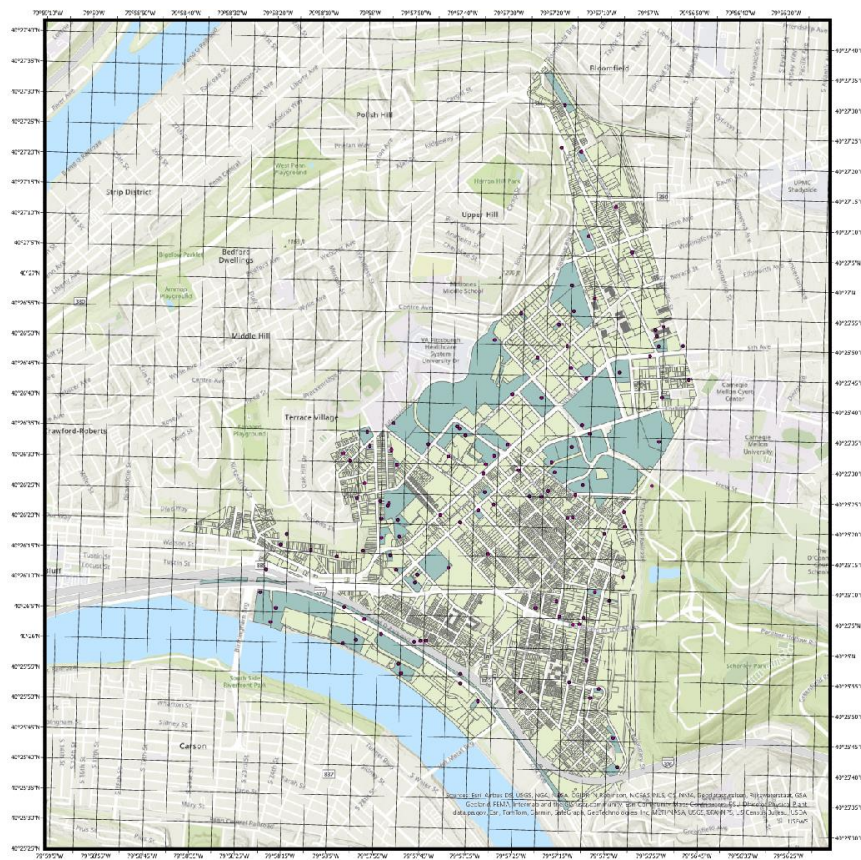


Random Sampling

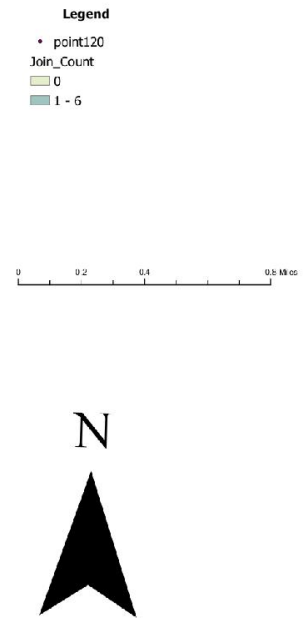
- Legend**
- Points_100
 - Join_Count
 - 0
 - 1 - 6
 - Join_Count
 - 0
 - 1 - 6

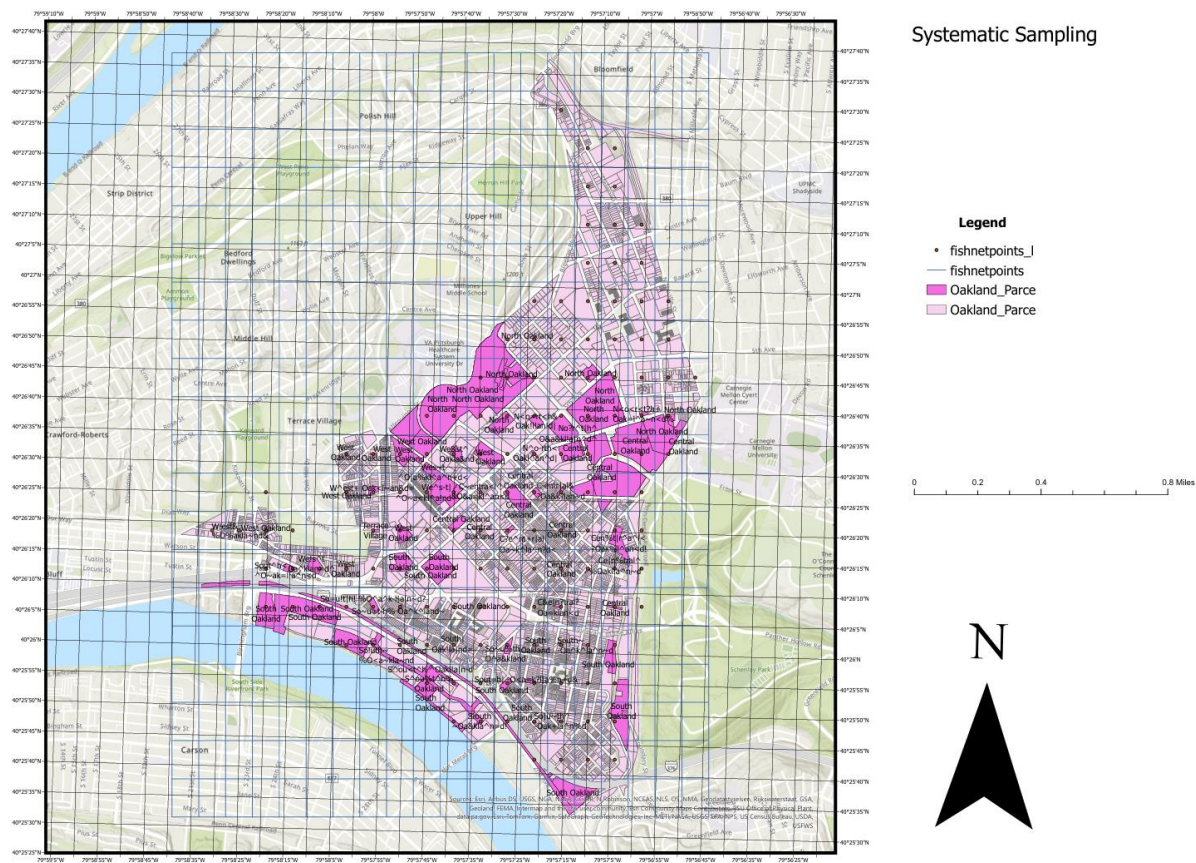
0 0.2 0.4 0.8 Miles





Stratified Random Sampling





| Approach | Number of All Observations | Number of Correct Observations | Number of Incorrect Observations | Percentage of Incorrect Observation |
|----------------------------|----------------------------|--------------------------------|----------------------------------|-------------------------------------|
| Random Spot-checking | 50 | 28 | 22 | 44 |
| Stratified random sampling | 120 | 42 | 78 | 65 |
| Random sampling | 100 | 28 | 72 | 72 |
| Systematic sampling | 117 | 42 | 54 | 46 |

Note the title here is wrong first 7 errors and next 7 errors



First 7 Errors corrected



Next 7 errors corrected

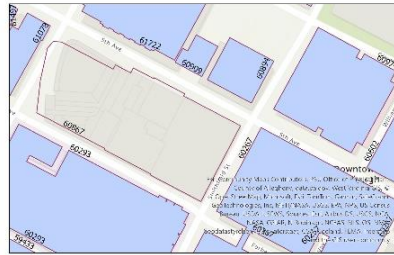


Pittsburgh Building Footprint Locations line
Pittsburgh_BuildingPoly

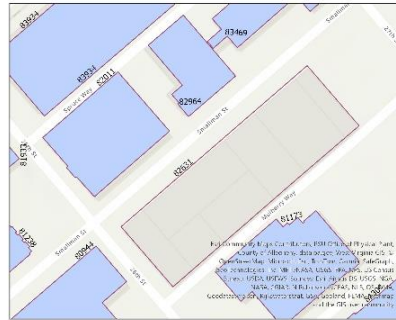
0 0.01 0.02 Miles



These are the corrected one first 7 and next 7 corrected



Next 7 errors corrected

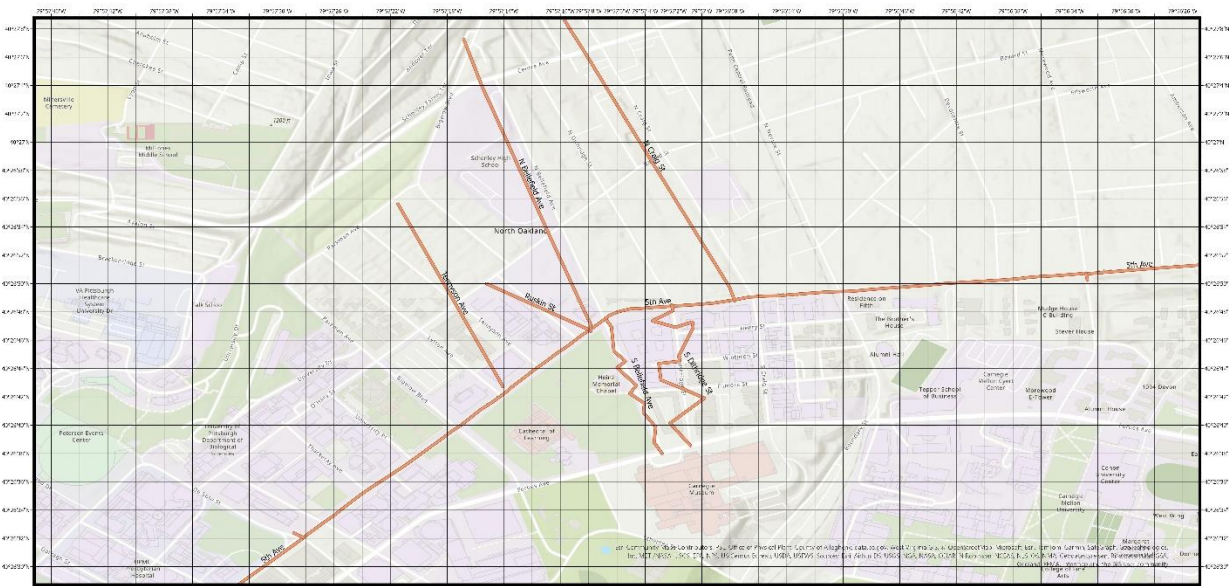


Pittsburgh_Building_Footprint Locations line
Pittsburgh_Building_Footprint

0 0.01 0.02 Miles



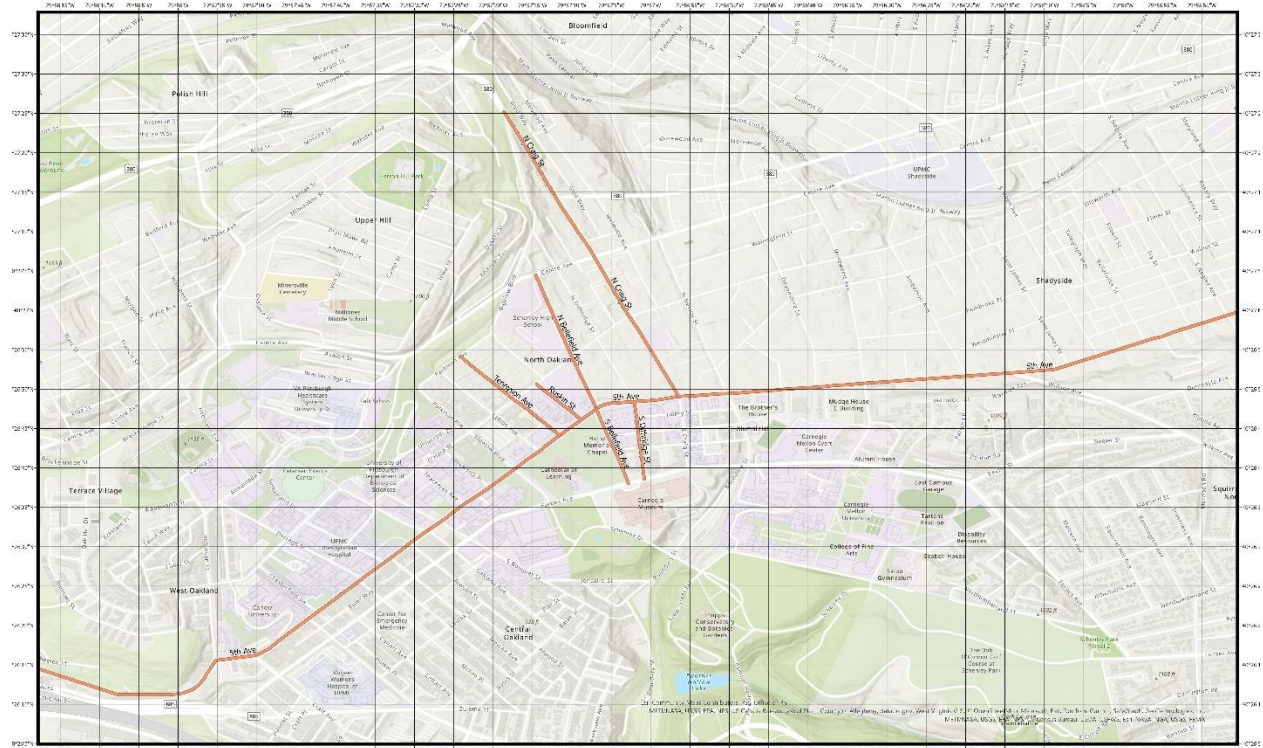
Road Errors 7



Pittsburgh Roads, Connected

Road Errors

Corrected Roads



— Pittsburgh Roads Corrected

Corrected Roads



— Pittsburgh Roads

Errors Roads



0 0.05 0.1 Miles