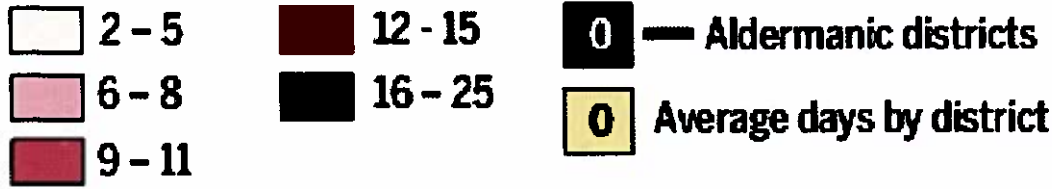


- The Journal Sentinel didn't test for other factors that could impact fill time. The only factors that they tested for were median income, population density and percentage minority.
- The factors that DPW provided, including age of road, type of road, underground infrastructure, and weather were not even considered in the model.
- The Journal Sentinel model accounted for only 22% of the total variation of pothole fill time; 78% of variation is still unaccounted for.
- With their model there is no way to know how fill time is affected by these other factors, or if the factors they used would be even less significant if the DPW factors were considered.
- A proper statistical model would have considered all possible factors

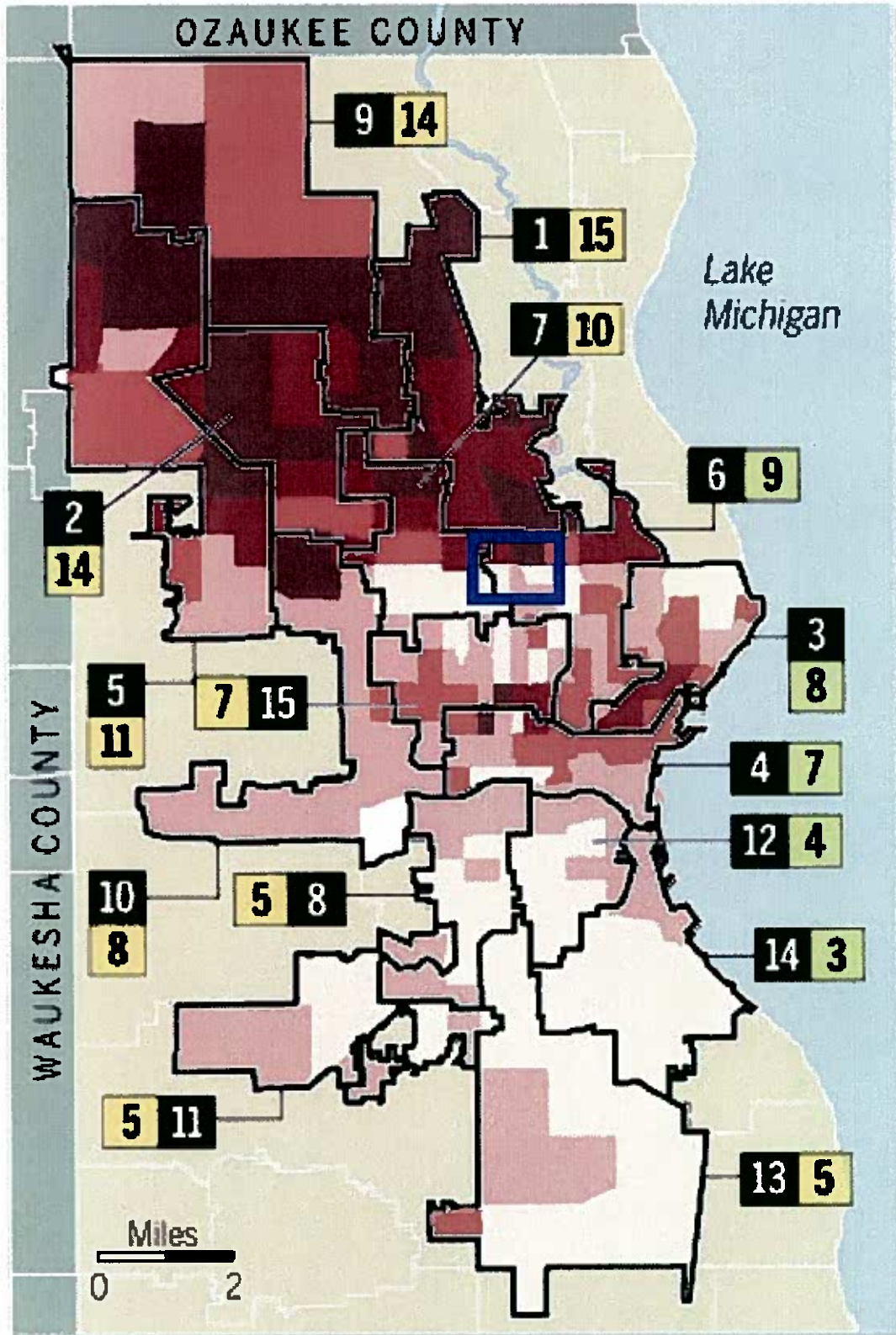
Days it takes to have a pothole repaired, by census tracts in aldermanic districts



<< Days for pothole to be repaired

<< Minority population

<< White population



Caller described two potholes. JS assigned first pothole to wrong Tract and ignored the second pothole.

- Rec # 1305399 Call includes 2 potholes
- 1.5 days to Fix
- Pothole #1 at 20th & Vienna, west side of street
- JS assigned to tract 46 (west side should be tract 47)
- Pothole #1 on Hopkins between 42nd & 43rd
- JS did not include this pothole, even though its clearly marked in comments section

This is a small sample to show the inaccuracy with which the Journal Sentinel investigators approached this topic. These findings are repeated throughout the city and call into question any conclusions taken from the JS article.

Problems shown on this map include:

- JS placed potholes based on caller address, not the location described in the comments section of the data.
- Potholes described as being on a tract boundary are consistently assigned to the northern Tract. This bias results in "pushing" the pothole data to the north, which is one reason the JS map shows more disparity as you move from the south to the north.

Multiple calls of same pothole counted as separate cases by JS and all assigned to northwestern Tract despite fact that they are at the intersection of four tracts.

- 7 calls, including multiple calls for same potholes
- Between 0.5 to 12 days to fill
- Described as in intersection and up the street in every direction
- JS assigned all 7 calls to tract 47 and treated as 7 separate cases

Pothole is on the boundary of two Tracts, JS assigned to northern Tract

- Rec # 1266505
- 4 days to Fix
- Between 17th & 18th on Keefe
- JS assigned to tract 46

Pothole is on the boundary of two Tracts, JS assigned to northern Tract

- Rec # 1300024
- 9 days to Fix
- Between 16th & 17th on Keefe
- JS assigned to tract 46

