

The high incidence of **CANCER and KIDNEY DISEASE** in southeastern Missouri appears to have a direct connection with **GEOLOGY** that can be traced as far back as impact of a large **ASTEROID** ~1,500,000,000 years ago.

Areas with the highest cancer rate generally lie along the east side of the proposed **ASTEROID IMPACT STRUCTURE** where **SANDSTONE** is the surface rock. That's likely not due to sandstone itself, but from materials in groundwater flowing through the sandstone, particularly in the Roubidoux and Lamotte sandstone formations.

The high cancer rate appears to be a synergistic effect of **SMOKING**, and of **GEOLOGICAL CARCINOGENS** most likely present at **TRACE ELEMENT** concentration and effective only upon chronic exposure from drinking domestic well water and consuming food originating from plants grown on local soil and eating wild and domestic animals grazing locally. Radon and uranium in well water are particularly suspect, especially along faults.

If this project is successful, what might be accomplished?

- New cases of cancer and kidney disease in southeast Missouri could be reduced by 50% within 25 years and continue to decline thereafter, if a geological cause is confirmed and remediation is successful. Particularly if smoking also declines.
- Minerals exploration in southeast Missouri could discover Olympic Dam-type ore deposits and additional ore deposits of other types including significant uranium recovery from groundwater and from massive uranium deposits in rock in and south of Carter County, resulting in a vibrant mining industry and associated manufacturing industries including high-tech firms using locally produced byproduct rare-earths.

An interesting sidelight is the perfect fit between the proposed Asteroid Impact Structure and the contiguous area of high smoking rates. Probably coincidence, but the fit is so close that there may be a connection. Smoking did not cause the impact, so is impact structure geology possibly causing heavy smoking? Far-fetched? Certainly. But maybe real. Your thoughts are welcome on this unusual correlation.

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William Jud, Geologist