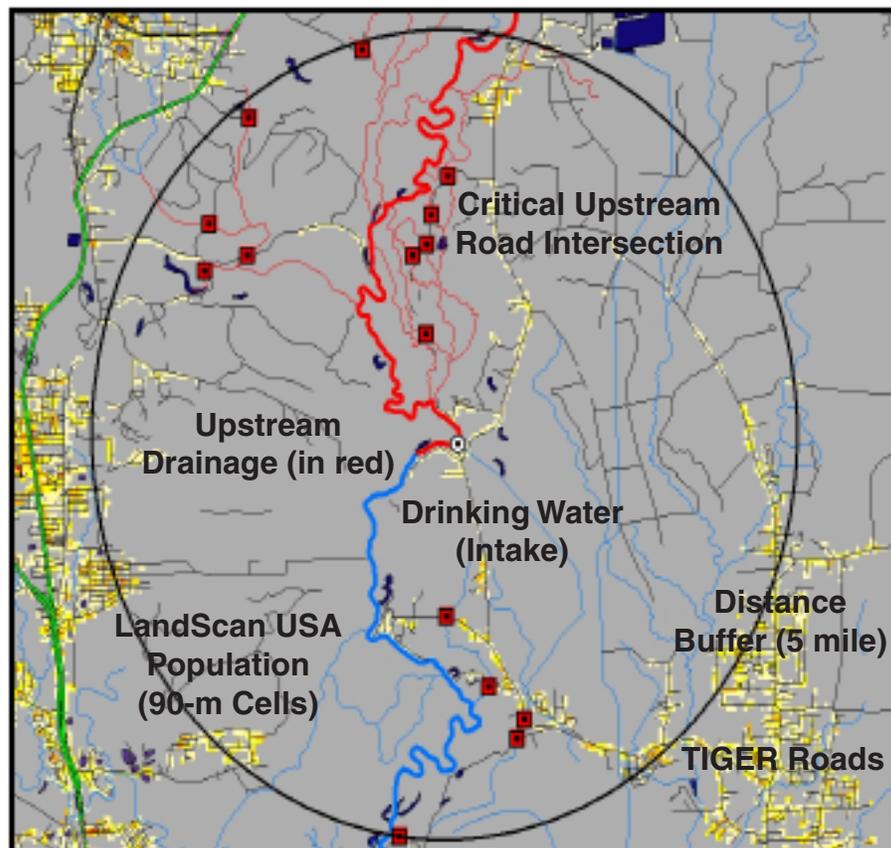


Hydrologic Transport Assessment System (HYTRAS)

The ORNL Hydrologic Transport Assessment System (HYTRAS) is a numerical model for simulating transport and fate of nuclear, biological, and chemical agents in water bodies. The model predicts material concentrations over time and distance in rivers or lakes. At present, approximately 200 rivers worldwide are included in a river/map database in HYTRAS. A new river database will have thousands of rivers, including water intakes for the United States. Also, HYTRAS utilizes population and human health effects data to estimate dosage effects to at-risk populations. Advanced computer visualization provides analysis results to users.

National Hydrography Data



Predicting the transport of hazardous materials in water using the HYTRAS.

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