Database highlights contaminants in private wells

Researchers at the UI and Iowa Geological Survey developed an interactive database that displays approximately 100,000 private wells across Iowa to inform well-drillers and property managers about geology and water contaminants.

The Iowa Well Perforating System, an interactive database of private wells across Iowa, informs property owners and well-drillers about the geology and water-quality data in a database that agricultural runoff greatly affects Iowa’s waterways.

The interactive database was created in a partnership between the University of Iowa Hydrogeosystems Lab, the Center for Health Effects and Environmental Contamination, and the Iowa Geological Survey. The database displays more than 10,000 private wells across the state. According to the database, well-drillers and property owners can use the information to make better-informed decisions about where to drill and what depth to drill to get a certain quality of water. Detailed drilling logs, GPS locations, and the results of water testing are all available for each well in the database.

According to the database, 100,000 wells are analyzed in the database, which is a useful tool for well-drillers and property owners. Since the database was launched in 2008, it has been used by more than 4,000 users, including well-drillers, property owners, and researchers.

The database contains information about contaminants such as bacteria, pesticides, and other chemicals in private wells. It also includes data on the geology of the area, which can help well-drillers determine the best location for a well.

About the Contributors

Emily Wengel, Photographic Editor Emily Wengel is the photographic editor for The Daily Iowa. She is a second-year student at the UI majoring in visual communication.

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The Iowa Well Perforating System, a web-based tool, provides access information regarding geology and water quality in Iowa. It is available at the University of Iowa Hydrogeosystems Lab. The Center for Health Effects and Environmental Contamination, and the Iowa Geological Survey. The database displays more than 10,000 private wells across the state. According to the database, well-drillers and property owners can use the information to make better-informed decisions about where to drill and what depth to drill to get a certain quality of water. Detailed drilling logs, GPS locations, and the results of water testing are all available for each well in the database.

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