The New Mexico Bureau of Geology and Mineral Resources created the Open-file Geologic Map of the Black River Village 7.5-Minute Quadrangle, Eddy County, New Mexico, in 2020. This map is based on reconnaissance field geologic studies, and it depicts the geographic distribution of geologic units and formations. The map highlights the geologic features and their relationships, providing a comprehensive view of the geological setting of the area.

The map includes a legend that explains the symbols used to represent different geologic units and formations. Key geologic units and formations include:

- **Guadalupian Artesia Group**
- **Tansill Formation**
- **Canyon Formation**
- **Castile Formation**
- **Reef Trail Member**
- **Rustler Formation**
- **Eddy County Formation**
- **Bossard Formation**
- **LaRue Formation**
- **LaRue Group**
- **Quaternary**
- **Last Glacial Maximum (LGM)**

The map also includes a cross-section that provides a vertical representation of the geologic units and formations, illustrating the stratigraphic relationships and thicknesses of the various units.

Additional geological information provided includes:

- **Mean sea level**
- **Geological time periods**
- **Stratigraphic intervals**
- **Sedimentary facies**
- **Mineral deposition**

The map is designed to aid in the understanding of the geological history and processes that have shaped the area, providing valuable insights for further research and resource management.