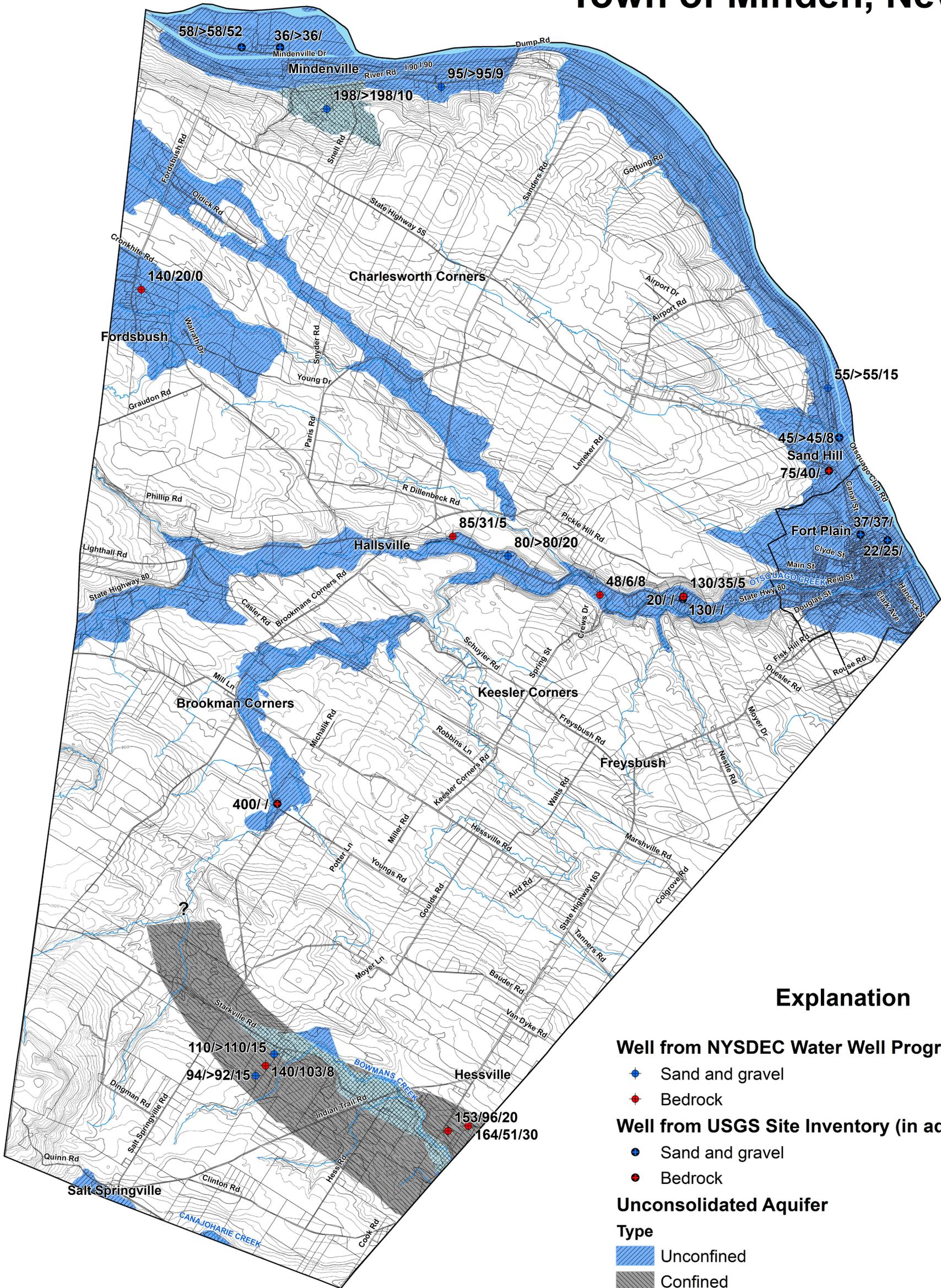




New York Rural Water Association

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Plate 3 Unconsolidated Aquifers Town of Minden, New York



Explanation

Well from NYSDEC Water Well Program (in aquifer)

- ◆ Sand and gravel
- ◆ Bedrock

Well from USGS Site Inventory (in aquifer)

- Sand and gravel
- Bedrock

Unconsolidated Aquifer

- Type
- Unconfined
 - Confined
 - Both

About This Map:

This map shows the distribution of unconsolidated aquifers across the Town of Minden as defined by the New York Rural Water Association using detailed surficial geologic materials mapping and subsurface data. Unconsolidated aquifers are bodies of loose sediments that are generally capable of yielding a significant quantity of groundwater to a properly constructed well. In Minden, there are two types of unconsolidated aquifers: unconfined and confined. In a confined aquifer, the coarser-grained water-bearing deposits are overlain by finer-grained sediments such as clay, silt, or till. In Minden, such aquifers are located in bedrock channels that have been buried by a variety of glacial sediments. In contrast, unconfined aquifers are shallower and lack an overlying layer of finer-grained sediments. Unconfined aquifers in Minden are typically associated with outwash or kame deposits. Note that in some locales, it is likely that both types of aquifers exist.

Scale

1:24,000

