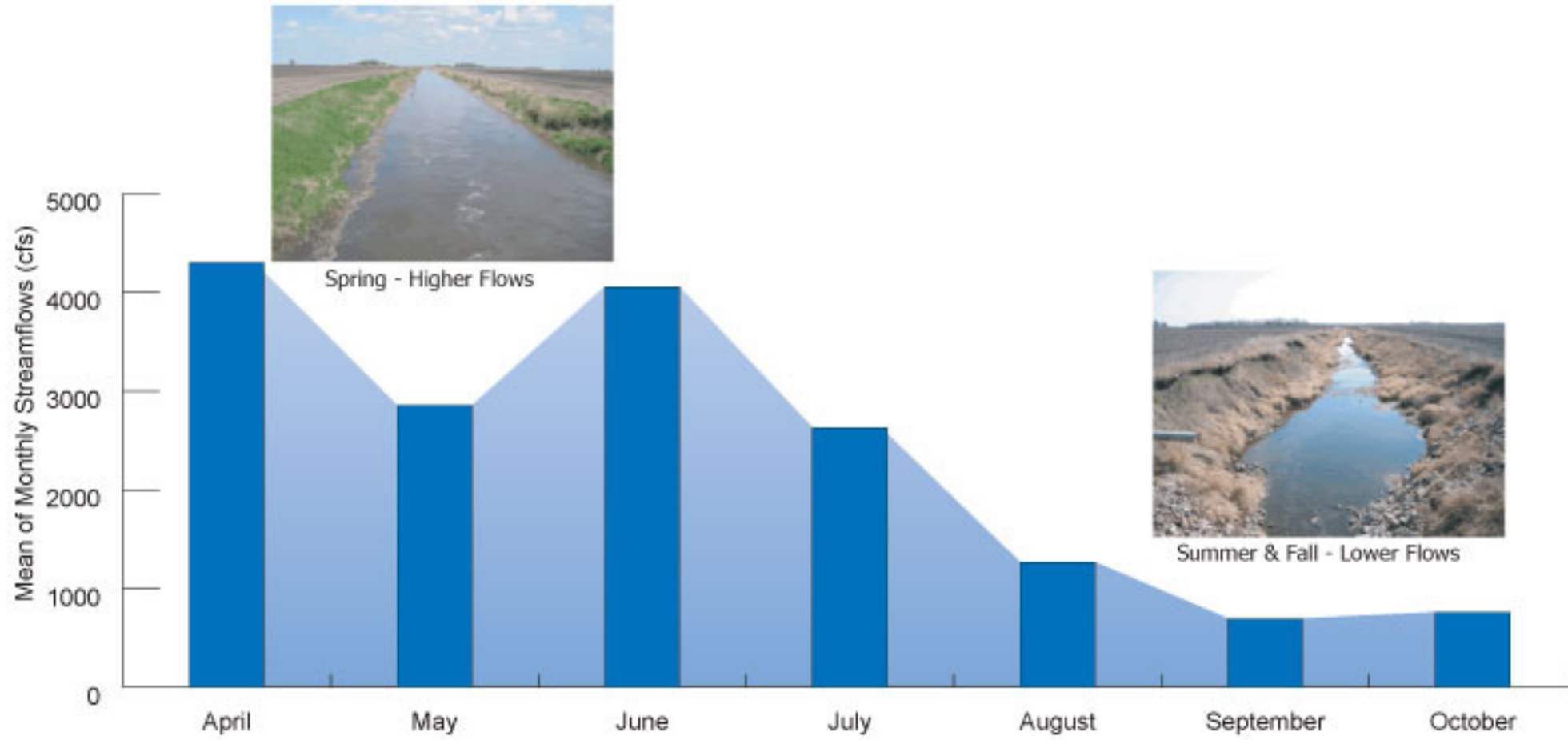


Weather & Seasons *can strongly influence water quality including fecal coliform bacteria*

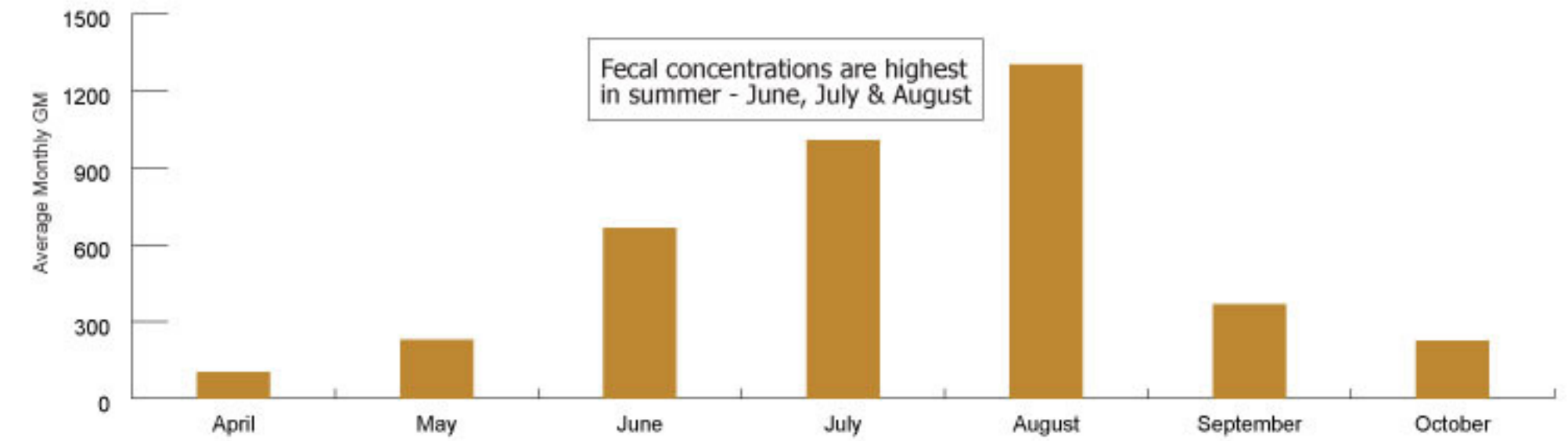
Streamflow

Mean of Average Monthly Streamflows (1993-2002 Streamflow Data)
Blue Earth River, Near Rapidan Dam



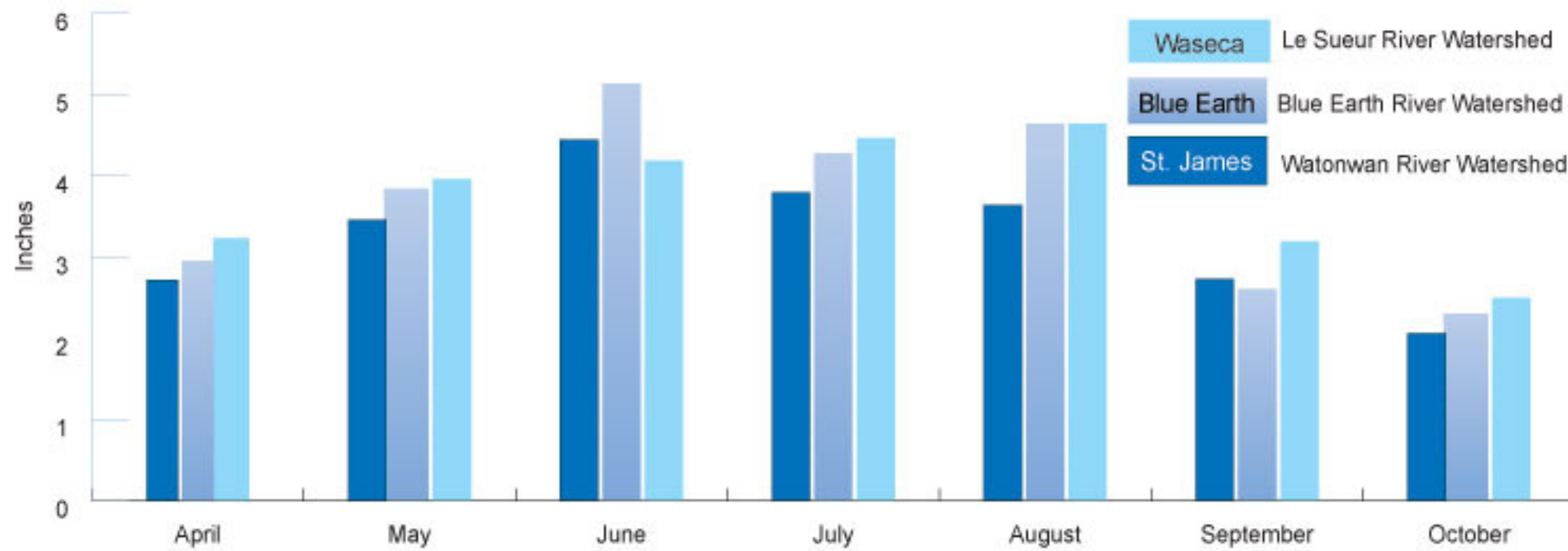
Fecal Coliform Concentrations

Monthly Geometric Mean Concentrations 1995-2004

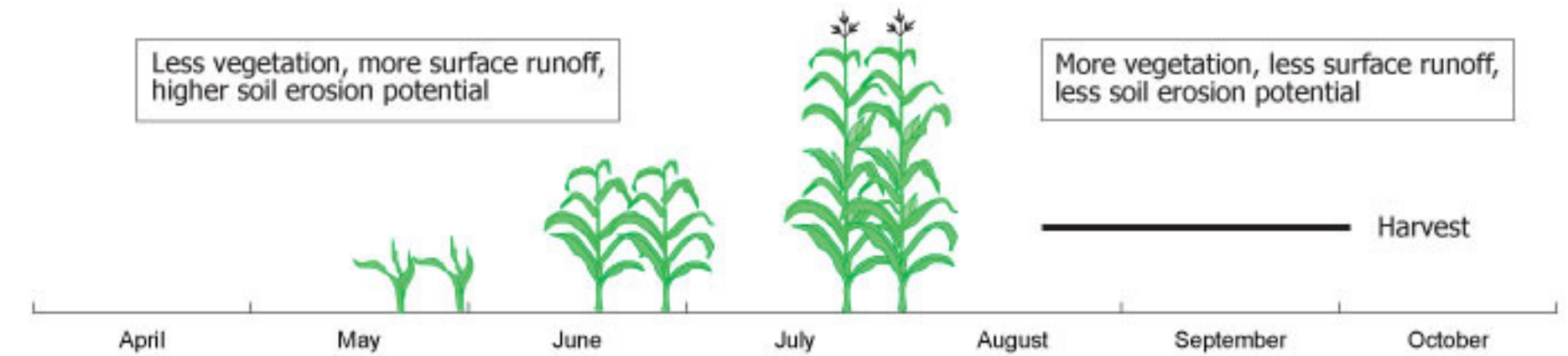


Precipitation

Average Monthly 1970-2000

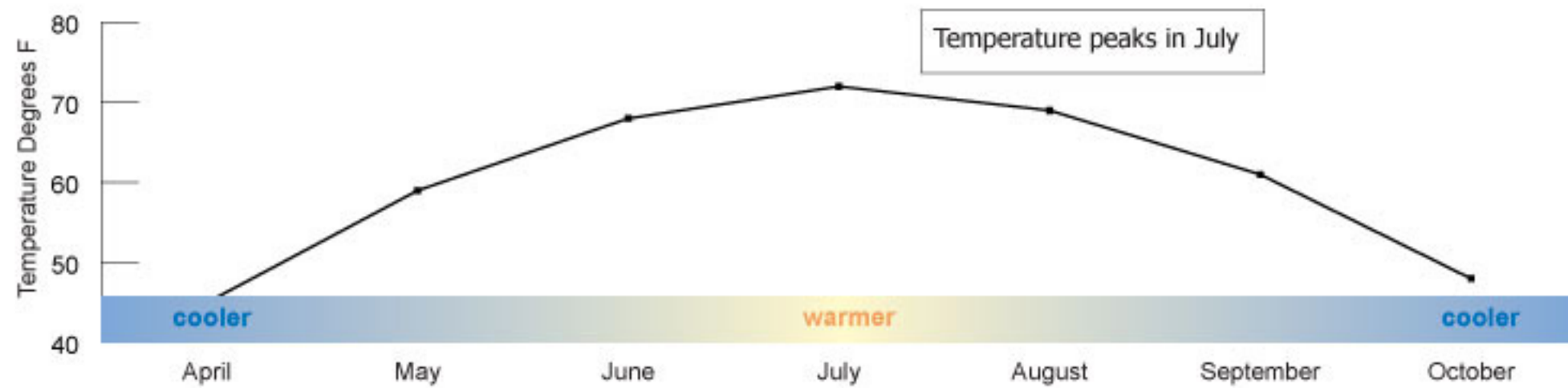


Vegetation Patterns



Air Temperature

Average Monthly 1971-2000



Influence on Potential Fecal Coliform Sources

Wetter Conditions, More Runoff, Higher Flows



Field applied manure
Feedlots/manure stockpiles without controls

Drier Conditions, Less Runoff, Lower Flows



Septics
Overgrazed pastures near waterways
Wildlife