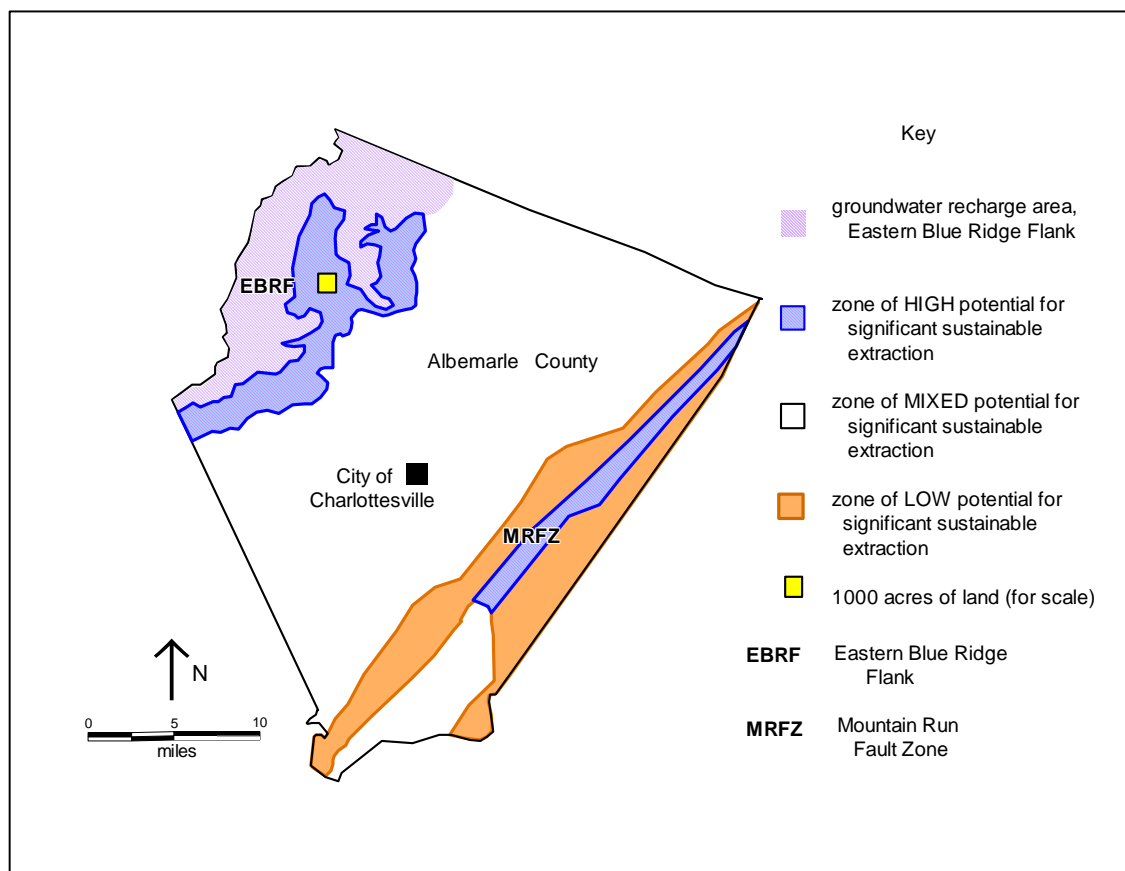


under current zoning) without negative impacts to non-extractive groundwater services. Areas of *low potential* for significant sustainable extraction are those areas where achievable maximum sustainable extractions are likely at or below levels of current usage (or allowable under current zoning). Areas of *mixed potential*, which comprise the City and large portions of the County, are areas that are heterogeneous in terms of hydrogeology, topography and other factors that affect potential for sustainable extraction. Evaluating maximum sustainable extraction in this area requires site-specific study of individual land parcels.



*Figure 5: Zones of Low, Mixed, and High Potential for Significant Sustainable Groundwater Extraction in Albemarle County and the City of Charlottesville.*

### Zones of High Potential for Significant Sustainable Groundwater Extraction

Two hydrogeologically distinct zones of high potential for significant sustainable extraction are identified in Figure 5. These zones have unique hydrogeologic characteristics favorable to groundwater recharge and flow.