1. **Position Summary Statement**

This full-time position (Research Intern – Biologist) is funded through a cooperative education agreement between the Upper Midwest Environmental Sciences Center (a U.S. Geological Survey, Biological Resources Division facility) in La Crosse, WI and the River Studies Center at the University of Wisconsin – La Crosse. The selected individual will be responsible for using geographical information systems (GIS) to identify geomorphic gradients using physical habitat metrics across six navigation pools of the UMR and assessing if geomorphic indices are predictive of the distribution, abundance, diversity, and recruitment of native mussels across these pools. In addition, the intern will work on USGS-funded research geared towards conserving and managing native freshwater mussels in the UMR basin. This position will be domiciled at the Upper Midwest Environmental Sciences Center.

2. **Essential Job Functions and Responsibilities.** What major duties are required for the position? Include **fiscal** and **supervisory** responsibilities.

60% Spatial Analysis of Freshwater Mussel Assemblages: The Research Intern will work on a COE-funded
project entitled "Systemic analysis of hydrogeomorphic influences on native freshwater mussels".

30% USGS-funded Research: The Research Intern will conduct research geared towards
conserving and managing native freshwater mussels in the UMR basin.

10% UWL-UMESC Cooperative Education Coordination: The Research Intern will assist UWL
undergraduate research students working on geospatial projects that involve UMESC data sources.

3. **Additional duties and responsibilities.** Responsibilities/important duties performed in addition to the essential duties of the position.

Duties may include: entering, analyzing, tabulating, and summarizing scientific data on mussel assemblages in the UMR; developing sub-lethal indicators of stress to document the relative health of mussel assemblages across the Midwest; assisting with laboratory toxicity tests with mussels; preparing samples and standards, and calibrating and operating instruments and equipment (e.g., spectrometers, water quality meters, electronic balances).
Other duties as assigned by supervisor.