



PROJECT BRIEF

Interstate 74 Bridge Replacement Mussel Monitoring

BioSurvey Group conducted mussel monitoring surveys and data analysis for the Interstate 74 bridge replacement project in Mississippi River Pool 15. The 2024 monitoring surveys included sampling in mussel relocation recipient sites and federal threatened and endangered species grids to assess survival of relocated mussels and changes in resident mussel assemblages, as well as sampling in the bridge construction and demolition areas to evaluate mussel recolonization in disturbed areas. Monitoring tasks were conducted in accordance with the project Biological Opinion and included collecting over 1,700 quantitative samples and nearly 12,000 individual mussels. Data collected in 2024 were analyzed and statistically compared with previous survey and monitoring data sets extending back through 2014 to assess changes in mussel density and mortality, as well as growth of relocated endangered species. While some changes were observed in mussel assemblages over time, marked and relocated individuals, including federally endangered species, persist in relocation recipient sites.



Year: 2024

Dates: Jul. 31 - Aug. 20

Value: \$327K

Mississippi River Pool 15, IL & IA