

(*Cryptobranchus alleganiensis bishopi*), leopard darter (*Percina pantherina*), Ozark cavefish (*Amblyopsis rosae*), pallid sturgeon (*Scaphirhynchus albus*), yellowcheek darter (*Etheostoma moorei*), Arkansas Fatmucket (*Lampsilis powellii*), Curtis Pearlymussel (*Epioblasma curtisii*), Fat Pocketbook (*Potamilus capax*), Louisiana Pearlshell (*Margaritifera hembeli*), Neosho Mucket (*Lampsilis rafinesqueana*), Ouachita Rock Pocketbook (*Arcidens wheeleri*), Pick Mucket (*Lampsilis abrupta*), Rabbitsfoot (*Theliderma cylindrica*), Scaleshell Mussel (*Potamilus leptodon*), Snuffbox Mussel (*Epioblasma triquetra*), Speckled Pocketbook (*Lampsilis streckeri*), Spectaclecase (*Cumberlandia monodonta*), Winged Mapleleaf (*Quadrula fragosa*), American burying beetle (*Nicrophorus americanus*), monarch butterfly (*Danaus plexippus*), Benton County cave crayfish (*Cambarus aculabrum*), Hell Creek cave crayfish (*Cambarus zophonastes*), geocarpon (*Geocarpon minimum*), harperella (*Ptilimnium nodosum*), Missouri bladderpod (*Physaria filiformis*), and pondberry (*Lindera melissifolia*). It has been determined that this project will have “no effect” on the aforementioned federally listed species due to the limited scope of the action, lack of suitable habitat, and distance to known species locations.

The monarch butterfly is a candidate species and as such is not federally protected under the Endangered Species Act. However, The USFWS recommends agencies implement conservation measures for candidate species in action areas as these are species, by definition, that may warrant future protection under the Act. Any disturbed areas to be revegetated after construction will be seeded with a mix that includes native wildflowers as a conservation measure.

These projects will not have a discharge of dredged or fill material into waters of the United States; therefore, no Section 404 permits will be required.

JF:KR:sw

Attachments:

- Project Description Table
- Project Location Maps
- Cultural Resources Clearances
- Environmental Study Checklist

c: Program Management
Right of Way
Districts 1, 3, 5-10
FHWA