

## **Species Protective Measures for Sand and Gravel Permitting**

The project consists of hydraulically dredging sand and gravel at various locations on the Mississippi River. The extracted material would be screened and the waste re-deposited into the Mississippi River.

The following conditions related to listed species will be included as permit conditions, as applicable to the site and activity.

General Condition: If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions (encl 2).

### **Special Conditions:**

1. A dredging plan will be submitted to the Corps and the appropriate U.S. Fish and Wildlife Services Field Office (AR, LA, or MS), locations (GPS coordinates); dredging dates; type of material to be dredged; duration; and the amount of material to be dredged in cubic yards. The plan should be submitted and approved two weeks prior to beginning the dredging operation.
2. The permittee would be prohibited from dredging on gravel bars (particles > 0.3 in (8 mm) diameter) during the Pallid Sturgeon spawning season which is April 1 through June 30 of each year.
3. The permittee would be prohibited from gravel dredging any time of the year within 500 feet upstream and 500 feet downstream of a tributary confluence with the Mississippi River. At the Arkansas River and Yazoo River confluences with the Mississippi River, no dredging shall take place any time of the year within 0.5 mile upstream and 0.5 mile downstream of these confluences.
4. The permittee would be prohibited from dredging within 500 feet of a revetted bank.
5. The permittee would be prohibited from dredging within 1,000 feet of the lower or upper end of a revetment.
6. The permittee would be prohibited from dredging within 600 feet of the riverside edge of a dike.
7. The permittee would be prohibited from dredging between dikes within a dike field.
8. The permittee would be prohibited from dredging within a secondary channel, or within 500 feet of the entrance or exit of a secondary channel.

9. The permittee will obtain all required permits and/or property rights from the States of Louisiana, Mississippi, and Arkansas and adjacent landowners prior to dredging operations.

10. The permittee will adhere to the Louisiana Department of Environmental Quality conditions listed in the Water Quality Certification issued on September 18, 2014, the Arkansas Department of Environmental Quality conditions listed in the Water Quality Certification issued on the September 29, 2014, and the Mississippi Department of Environmental Quality conditions listed in the Water Quality Certification issued on September 18, 2014.