

Threatened and Endangered Species

RedHorse Environmental has successfully resolved Threatened and Endangered species occurrences at or near project sites. The Upland Sandpiper (Pennsylvania Threatened) is a large light brown shorebird that comes inland to nest. This bird is about 12 inches tall and has a 20- inch wingspan. Birds arrive in Pennsylvania in April, and then leave in August after nesting. Upland Sandpipers are not common in Pennsylvania but occur in several counties regularly. This species was encountered in Erie County during construction at the Erie Speedway near Northeast. Breeding bird surveys were conducted to document nesting pairs in the vicinity of the racetrack by attracting breeding males with electronic calls and visual observations.



Upland Sandpiper

Bartramia longicauda

In another project RedHorse secured permits from the USFWS related to the potential occurrence of the Bog Turtle (*Glyptemys muhlenbergii*) which is Federally Endangered. This species has a very limited distribution in Pennsylvania (southeastern counties only) and is restricted to wet meadows and bogs. The Bog Turtle is Pennsylvania's smallest turtle (3 to 4.5 inches) with large orange blotches on each side of the head. This species was encountered at a pipeline pig-dig site adjacent to a small wetland in Berks County. RedHorse coordinated and assisted with site surveys prior to and during excavation of the pipeline.



Bog Turtle

Glyptemys muhlenbergii



Bog Turtle Habitat, Berks County, PA

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