

**AN ECOLOGICAL SURVEY OF THE LIGNITE MINING AREA  
OF THE BIG BROWN STEAM ELECTRIC STATION**

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This study provided a pre-mining (1971-72) description of the vegetation and the terrestrial vertebrate wildlife of the Big Brown mining area. A discussion of the ecological implications of pre-mining land uses was included.

Voucher specimens of approximately 200 plant species were identified and mounted on herbarium paper. Four major vegetation types--upland woods, bottomland woods, old fields, and improved pastures--occupied most of the area. White-tailed deer, bobwhite quail, mourning doves, and fox squirrels were game animals that were common on the area. During the 6-month investigation, 23 mammal species, 77 birds, 22 reptiles, and 8 amphibians were encountered.

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