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Surveying And Habitat Modeling For Gray Foxes In Illinois

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Summary : Free surveying and habitat modeling for gray foxes in illinois pdf download - i used trapping track plates and remote camera surveys to investigate a potential decline of gray foxes *Urocyon cinereoargenteus* in southern illinois gray fox detection rates were low for all survey techniques when compared to more abundant mesocarnivore species home-range sizes were consistent with other studies and the main source of mortality for foxes was coyote predation to further understand gray fox ecology in illinois i assessed whether landscape patterns influence the relative abundance of gray foxes at the county scale the standard deviation of the perimeter to area ratio of agricultural patches and the interspersed and juxtaposition index of grassland patches had the largest influence on gray fox relative abundance relative patch richness of the landscape and the coefficient of variation of the forest index had moderate influence on gray fox relative abundance future land use changes are likely to affect gray foxes so cost-effective and accurate monitoring protocols are critical

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non-invasive methods to assess co-occurrence of mammalian ... - non-invasive methods to assess co-occurrence of mammalian carnivores ... and coyotes and gray foxes ... consider when surveying for and modeling