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Reproduction and Distribution of Bald Eagles in Voyageurs National Park, Minnesota, 1973-1993.

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Abstract : The bald eagle (*Haliaeetus Leucocephalus*) is classified as a threatened species in

Minnesota. In 1973, the National Park Service began monitoring the distribution and reproduction of bald eagles in and immediately adjacent to Voyageurs National Park to obtain data that park management could use to protect bald eagles from the effects of use of the park by visitors and from the expansion of park facilities. Thirty-seven breeding areas were identified during 1973-93. Annual productivity ranged from 0.00 to 1.42 fledglings/occupied nest. We suspect that toxic substances, human disturbance, severe weather, and lack of food in early spring may have kept bald eagles in Voyageurs National Park from achieving a breeding success. The cumulative effect of these variables on reproduction and on habitat of bald eagles in Voyageurs National Park is unknown and should be determined.

Descriptors : *DISTRIBUTION , *BIRDS , *REPRODUCTION(PHYSIOLOGY) , *MINNESOTA , MANAGEMENT , MONITORING , HUMANS , TOXICITY , POPULATION , VARIABLES , STORMS , PROTECTION , CONTAMINANTS , HABITATS , ENDANGERED SPECIES , WILDLIFE , NESTING(ANIMALS).

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horizontally irradiates the endorsed symbolism.

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