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Title : AN INVESTIGATION INTO BIRD DENSITIES WHICH MIGHT BE ENCOUNTERED BY AN AIRCRAFT DURING TAKE OFF AND LANDING,

Corporate Author : MINISTRY OF AVIATION LONDON (UNITED KINGDOM)

Personal Author(s) : Sugg, R. W.

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Abstract : Recordings of bird densities and species on an around runways are discussed with a view to giving guidance for the formulation of a stressing case for bird impacts on aircraft structures, especially windscreens and engines, during take off, landing and low flying across country. Based on some 7,000 observations in the U.K. and bird strike reports from the U.K. and Canada, the most likely species for impact on take off or landing is the gull. It is calculated that a total of 120 lbs of bird weight might strike an aircraft of 100 ft2 frontal area during take off or landing. (Author)

Descriptors : BIRDS, AVIATION SAFETY, RUNWAYS, UNITED KINGDOM, POPULATION, TAKEOFF, WINGS, WINDSHIELDS, IMPACT PREDICTION.