

Rocky Mountain Population of Sandhill Cranes Harvest Strategy

Reference: 80 FR 51090, August 21, 2015 (page 51092)

“Thus, we agree that the formula to determine the annual allowable harvest for RMP sandhill cranes should be used under the new regulatory schedule and propose to utilize it as such. That formula uses information on abundance and recruitment collected annually through operational monitoring programs, as well as constant values based on past research or monitoring for survival of fledglings to breeding age and harvest retrieval rate. The formula is:

$$H = C \times P \times R \times L \times f$$

Where:

H = total annual allowable harvest;

C = the average of the three most recent, reliable fall population indices;

P = the average proportion of fledged chicks in the fall population in the San Luis Valley during the most recent 3 years for which data are available;

R = estimated recruitment of fledged chicks to breeding age (current estimate is 0.5);

L = retrieval rate of 0.80 (allowance for an estimated 20 percent crippling loss based on hunter interviews); and

f = $(C/16,000)^3$ (a variable factor used to adjust the total harvest to achieve a desired effect on the entire population)”