New Allocation Model

$$WMA_1 \% \text{ Pheasant} = \frac{P_1}{P_{\text{sum}}} \times 100$$

$$P = A + C \ (D+1)$$

$P =$ pheasant factor; $A =$ area variable; $D =$ proximity to stamp buyer variable; $C =$ field aggregate correction

$$A = (1^{st} \ 60 \ ac \ * \ 1) + (ac > 60 \ * \ 0.1)$$

$$C = \begin{cases} 0 \text{ if < 6 field clusters/aggregates} \\ 15 \text{ if 6 - 9 field clusters} \\ 30 \text{ if 10 - 12 field clusters} \\ 45 \text{ if > 12 field clusters} \end{cases}$$

$$D = \begin{cases} 0 \text{ if <30% w/in 40 miles} \\ 0.15 \text{ if 30-40% w/in 40 miles} \\ 0.3 \text{ if 40-50% w/in 40 miles} \\ 0.5 \text{ if >50% w/in 40 miles} \end{cases}$$

Example: Pequest WMA

The Pequest WMA has 167 acres of stocked fields, 4 field clusters, and is within 40 miles of 42% of the Pheasant and Quail Stamp Buyers. Its P-score is calculated below.

Step 1: \(A = (60 \ ac \ * \ 1) + (107 \ ac \ * \ 0.1) = 71\) \quad \(C = 0\) \quad \(D = 0.3\)

Step 2: \(P_{\text{pequest}} = (71 + 0) \ (0.3 + 1) = 92\)

Step 3: Calculate percent of the total pheasants available statewide that will go to Pequest

\[
\frac{P_{\text{pequest}}}{P_{\text{sum}}} \times 100 = \frac{92}{1,759} \times 100 = 5.2\%
\]

Cumulative value of “P-scores” for all WMAs

Percentage of total birds available that are going to Pequest WMA