

New Allocation Model

$$\text{WMA}_1 \% \text{ Pheasant} = \frac{P_1}{P_{\text{sum}}} \times 100$$

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

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

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

C =
 0 if < 6 field clusters/aggregates
 15 if 6 - 9 field clusters
 30 if 10 - 12 field clusters
 45 if > 12 field clusters

D =
 0 if <30% w/in 40 miles
 0.15 if 30-40% w/in 40 miles
 0.3 if 40-50% w/in 40 miles
 0.5 if >50% w/in 40 miles

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: $A = (60 \text{ ac} * 1) + (107 \text{ ac} * 0.1) = 71$ $C = 0$ $D = 0.3$

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