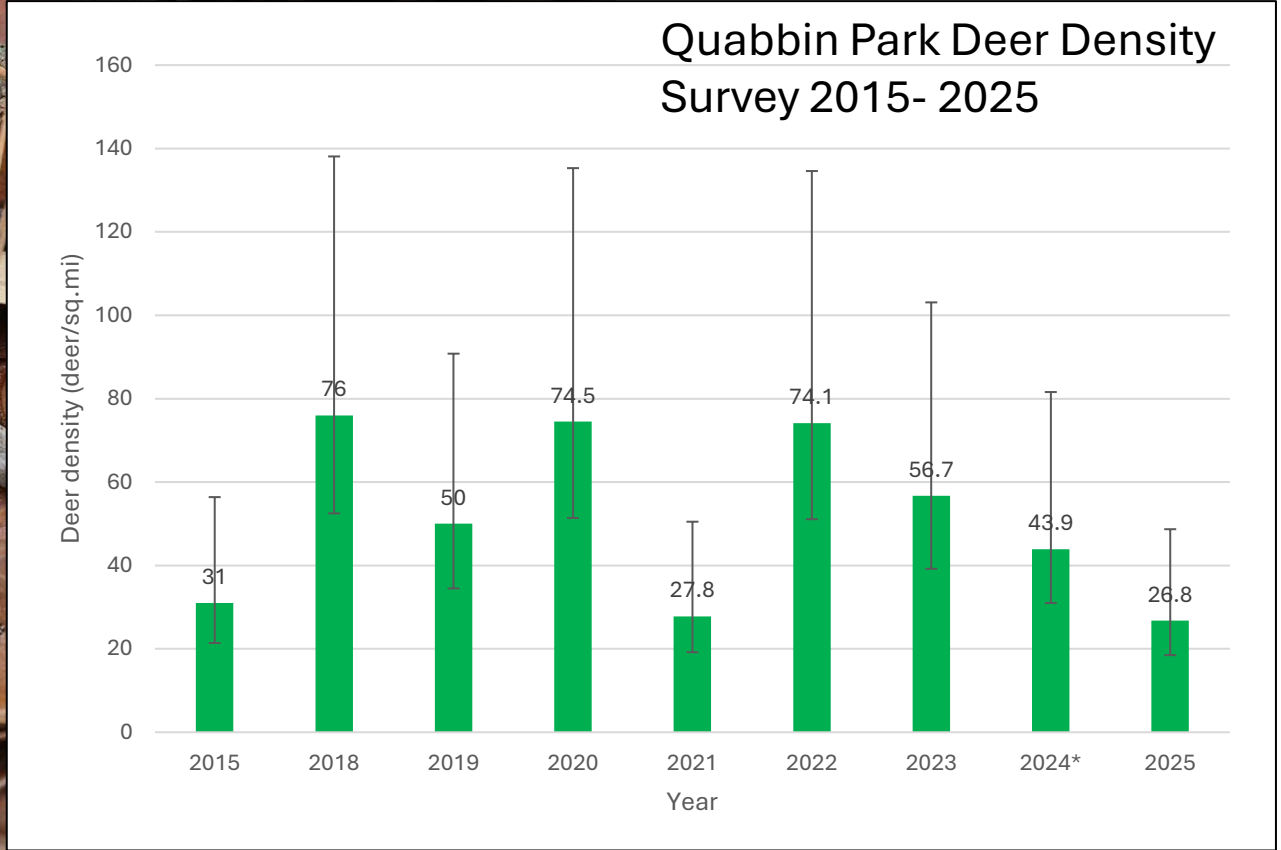
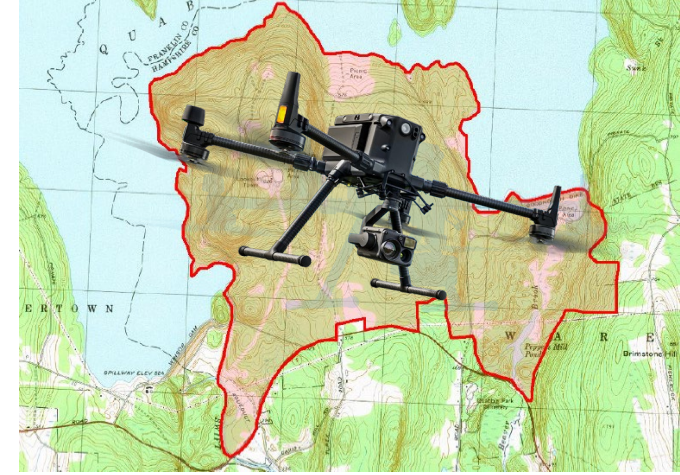


Using Thermal Imagery to Estimate Deer Density in Quabbin Park

Ken MacKenzie
Director of Natural Resources





So how do we feel about this technique and its reliability?



2025 Results

2025 Pellet Survey Density Estimate:

- Quabbin Park: Spring of 2025
 - 26.8 (19.9 – 52.5 deer/ mi²)

2025 Drone Pre-hunt Survey Estimate

- Flights: November 24 and December 1st 2025
 - 24.4 - 32.7 deer/ mi²

2025 Quabbin Park Hunt: Monday Dec 8th and Tuesday Dec 9th

- Harvest of **24 deer** (reduction of 6 deer/ mi²)

2025 Drone Post-hunt Survey Estimate

- Flights: Wednesday December 17th and Monday, January 12th
 - 12.19 – 16.26 deer/ mi²
 - • Post-harvest reduction of 12.21-16.44 deer/ mi² (>60% reduction)

