



DORIS DUKE
FOUNDATION

Duke Farms: A Living Lab of Land Stewardship

DORISDUKE.ORG

Agenda

- Who we are
- What We do at DDF
- Land Stewardship at Duke Farms
- Results





Who was Doris Duke?

- Born in 1912
- Only child of James Buchanon Duke
- Inherited her father's estate
- Lifelong Philanthropist
- Wanted Duke Farms to be a nature-focused place of conservation
- Passed Away 1993





2a. What Is Our Mission?

The mission of the Doris Duke Foundation is to build a more creative, equitable and sustainable future.

We work across three areas: arts & culture, health & well-being, and nature.



Duke Farms Land Stewardship Plan

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Duke Farms

The Duke Farms Land Stewardship Plan

A comprehensive guide to managing land and natural resources at Duke Farms over a ten-year timespan.

Goal #1:	Maintain a Balanced Deer Herd (includes 4 subgoals)
Goal #2:	Strategic Invasive Species Management (includes 173 subgoals)
Goal #3:	Grassland Habitat Management and Restoration (includes 5 subgoals)
Goal #4:	Forest Habitat Management and Restoration (includes 28 subgoals)
Goal #5:	Shrubland Habitat Management and Restoration (includes 8 subgoals)
Goal #6:	Meadow Habitat Management and Restoration (includes 7 subgoals)
Goal #7:	Lake and Riparian Habitat Management and Restoration (includes 11 subgoals)
Goal #8:	Rare Species Management (includes 5 subgoals)
Goal #9:	Develop Plant Propagation and Reintroduction Plan (includes 6 subgoals)
Goal #10:	Integrate Stewardship and Related Programmatic Goals (includes 4 subgoals)
Goal #11:	Foster Monitoring and Research (includes 12 subgoals)
Goal #12:	Foster Climate Change Mitigation (includes 3 subgoals)
Goal #13:	Implement Sustainable Agricultural Practices (includes 6 subgoals)









Exclusionary Fencing



TRAP AND TRANSFER



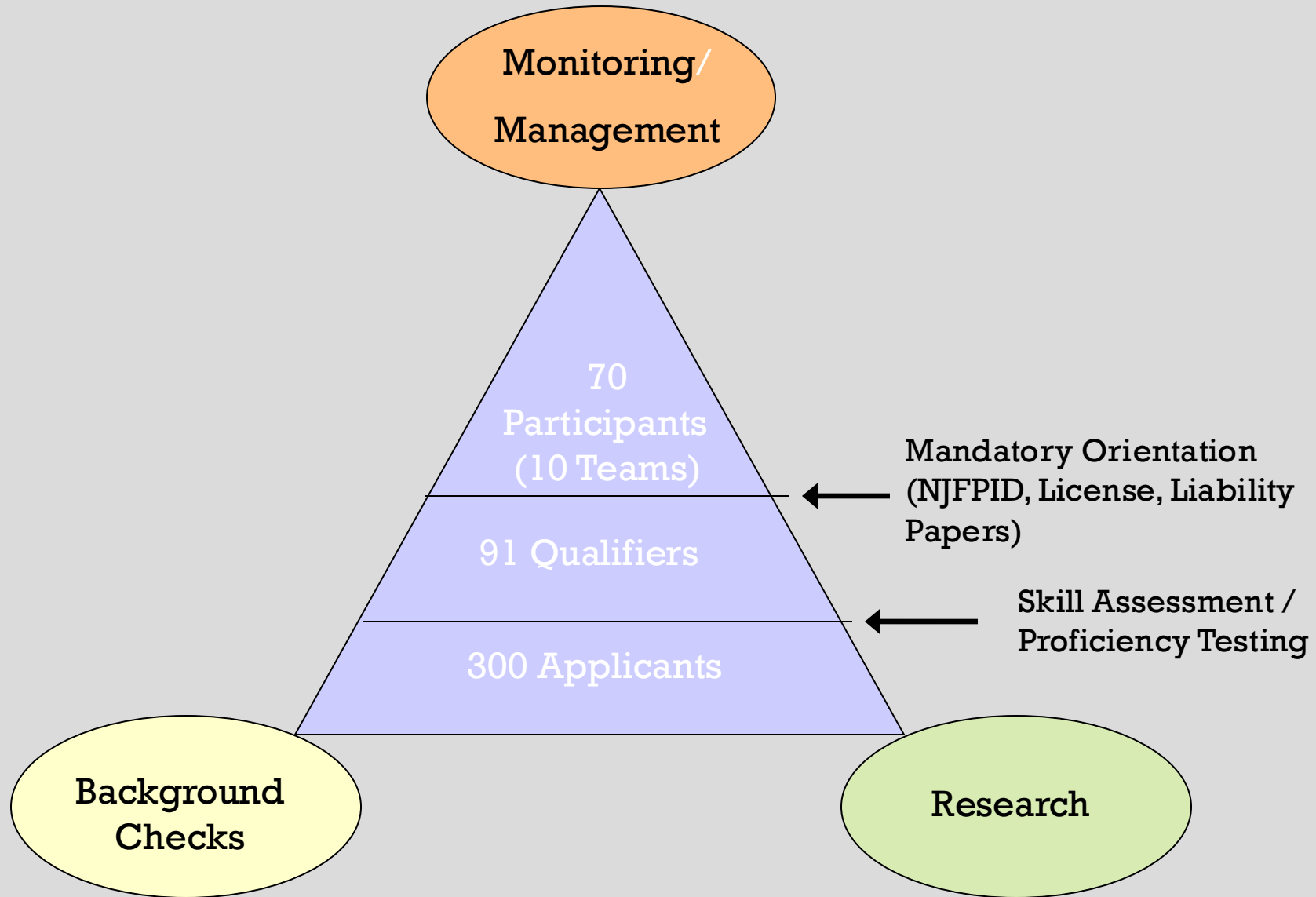
- From 2000-2003, 259 deer were trapped and transferred
- This management technique was disallowed due to fear of CWD
- Very expensive: approximately \$1,400 /deer removed
- Ineffective: Unable to keep up with fecundity rates = no decrease in overabundant deer populations/densities



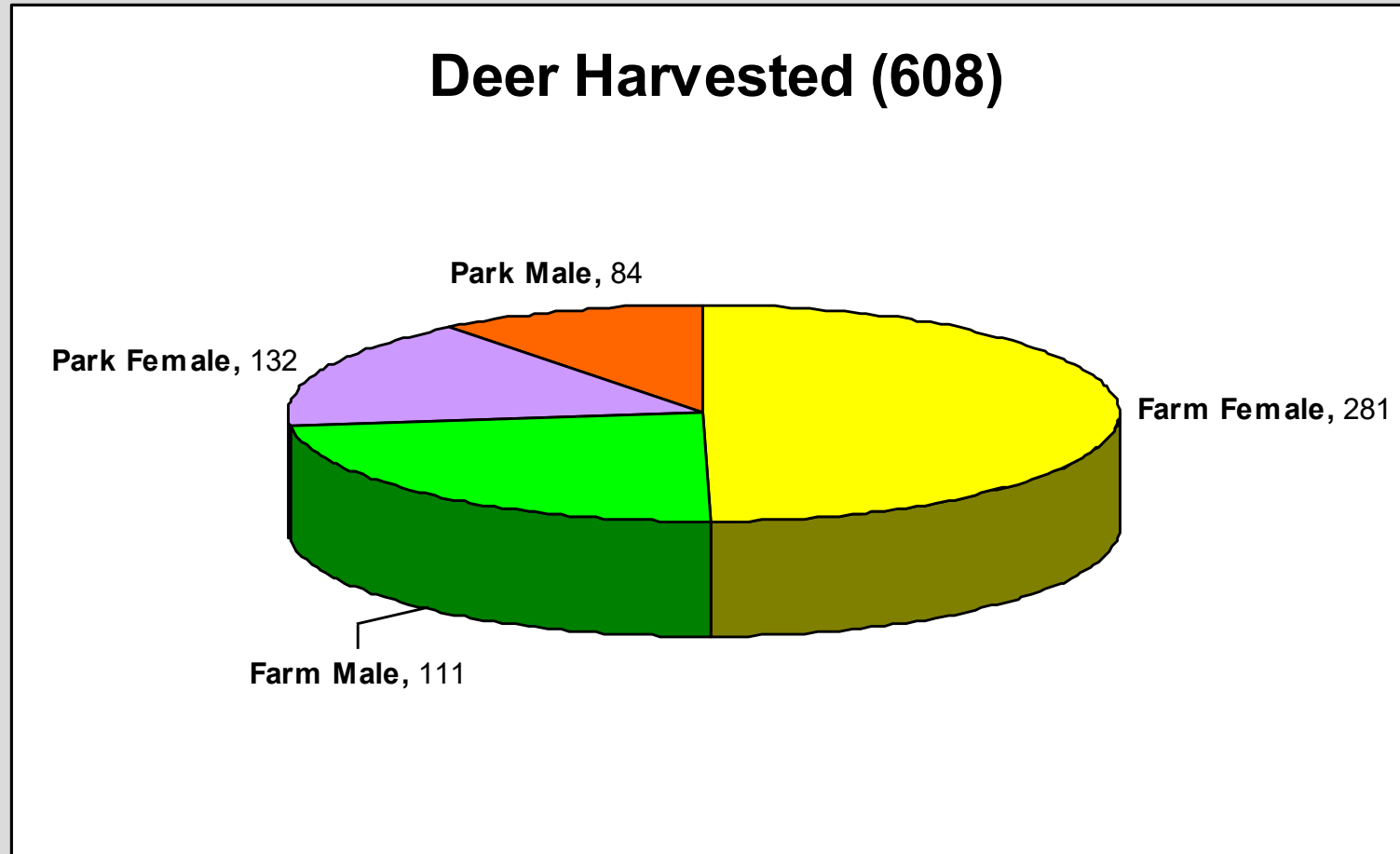
Deer Strategy Committee Support

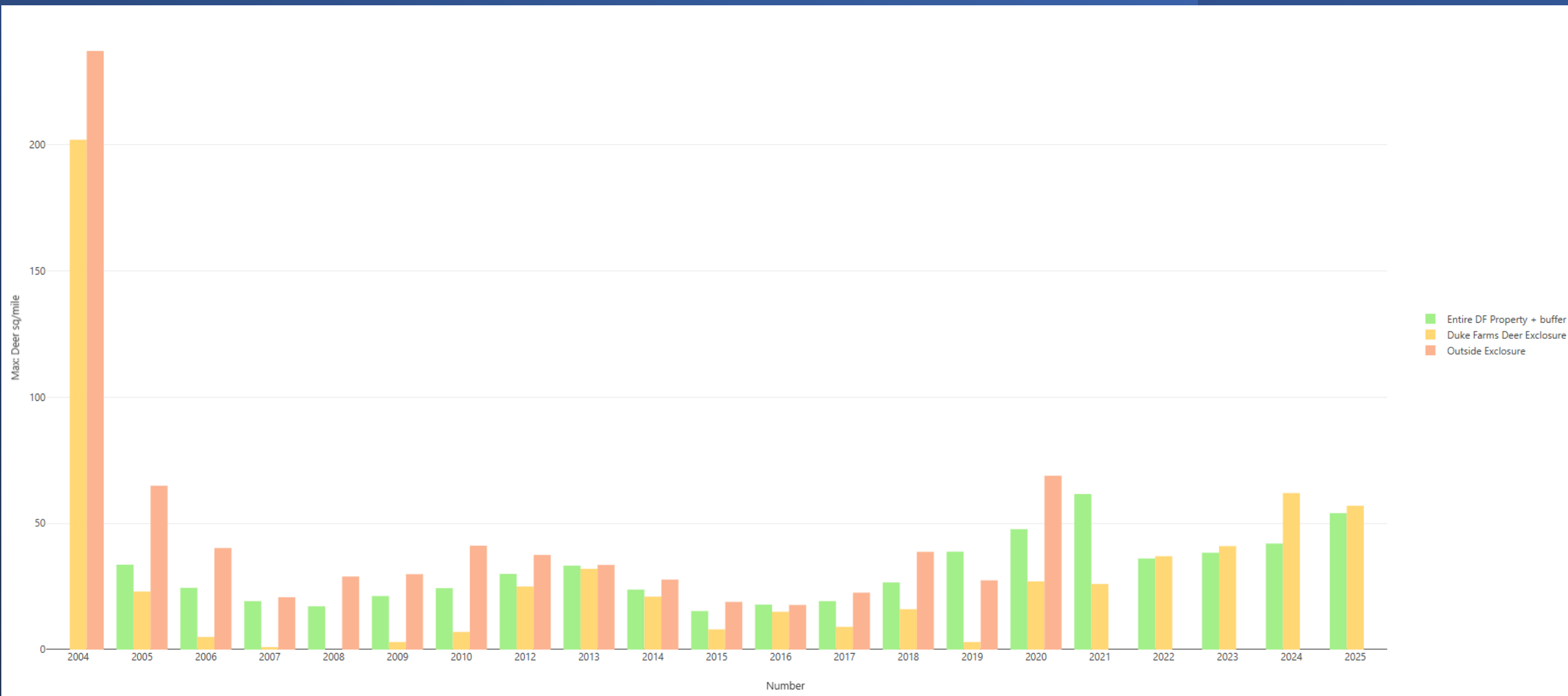


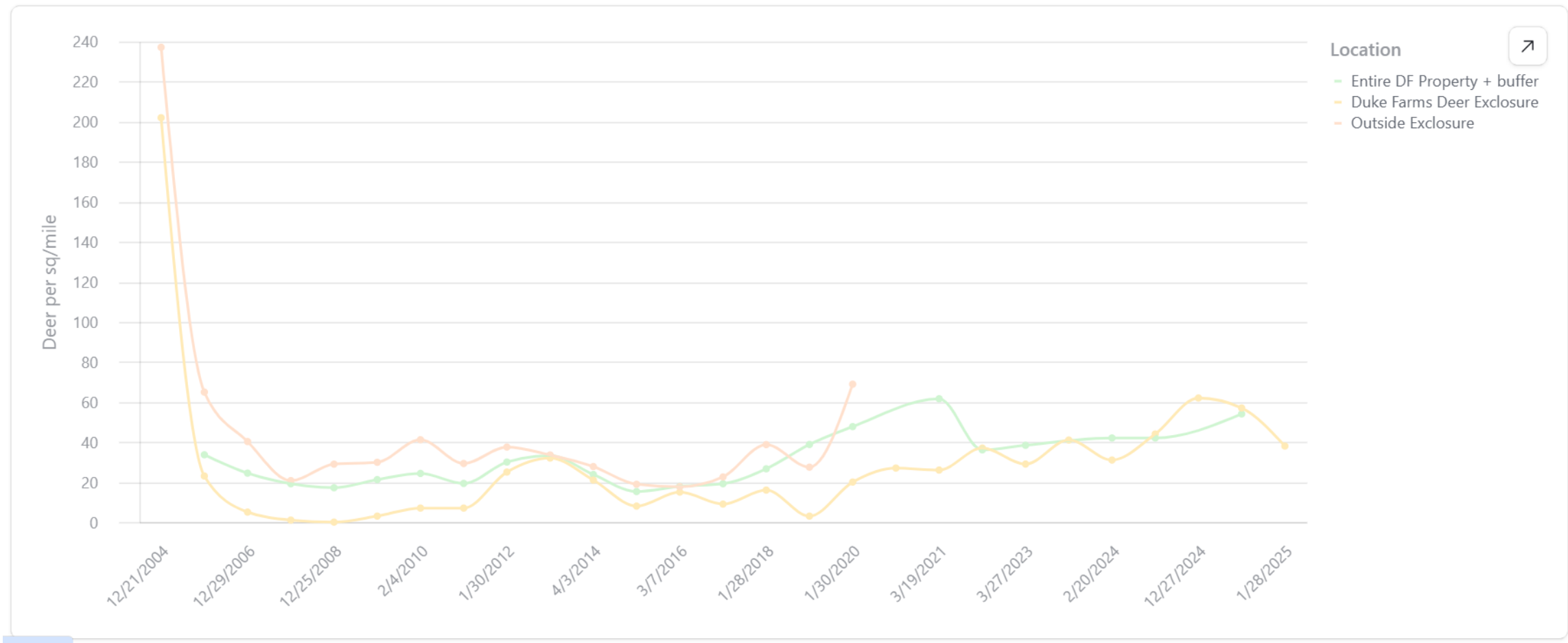
Participant Selection Process



First season











Invasive Vegetation Control Methods

Mechanical, some examples:

Billy Goat Brush Cutter



Loppers and Pruners



Line Trimmer & Hedge Trimmer



Invasive Vegetation Control Methods

Chemical, some examples:

Basal bark



Auxiliary power Tank sprayer on UTV



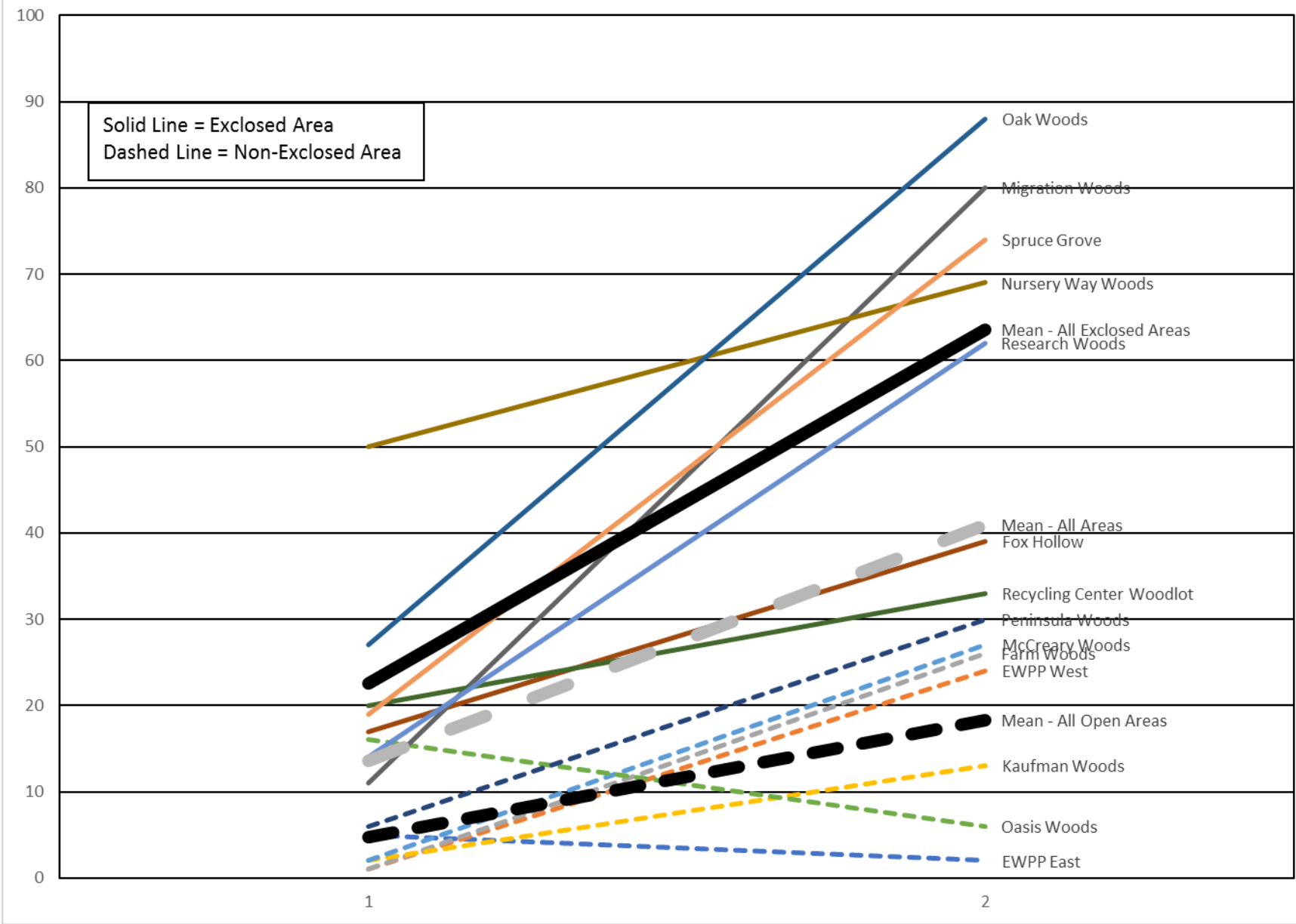
Kill Stick on cut stump



Biological



Native Woody Cover - % Cover: Baseline vs. Current









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Thank You

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