CONTRIBUTIONS OF TRANSLOCATION TO NORTHERN BOBWHITE POPULATION RECOVERY

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INTRODUCTION

• NBCI 2.0 – “develop new population epicenters”

• Brennan (2012) Quail VII – “glaring omission of success stories”, “how NBCI will be judged”


• Translocation History and Georgia Policy (Sisson et al. 2012) Quail VII
OBJECTIVES

• DOCUMENT CONTRIBUTIONS MADE TOWARDS NBCI 2.0 POPULATION RECOVERY GOALS BY TTRS WILD BOBWHITE TRANSLOCATION PROGRAM

• DOCUMENT COSTS ($) OF WILD QUAIL MANAGEMENT AND TRANSLOCATION
PARTNERS

• GEORGIA DNR WRD
• FLORIDA WILDLIFE COMMISSION
• ALABAMA DEPT OF CONSERVATION
• NORTH CAROLINA CONSERVATION COMMISSION
• SOUTH CAROLINA DEPT OF NAT RESOURCES
• NEW JERSEY FISH AND GAME
• UNIVERSITY OF GEORGIA
• UNIVERSITY OF DELAWARE
• WASHINGTON COLLEGE
• NEW JERSEY AUDUBON
• CHESTER RIVER FIELD RESEARCH STATION
• PRIVATE LANDOWNERS (DONOR & RECIPIENT)
MONITORING

POINT COUNTS = SPRING MALES & FALL COVEYS
ESTIMATING VALUE PER BIRD (VB)

\[ VB = MC + OC + TTC \]

\[ MC = \text{land mgmnt budget} \]
\[ \quad \text{FA} \times \text{HR} \times \text{WA} \]

\[ OC = \text{cost of hunt} - MC \]
\[ \quad \text{daily bag limit} \]

\[ TTC = PT + TP + PB + \text{trap} + \text{transport} + \text{misc} \]
\[ \quad \text{# birds} \]
<table>
<thead>
<tr>
<th>SITE</th>
<th>COUNTY</th>
<th>STATE</th>
<th>HA</th>
<th>KM</th>
<th>YEARS</th>
<th>#BIRDS</th>
<th>DENSITY (PRE)</th>
<th>BIRDS/HA (POST)</th>
<th>#ADDED</th>
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## MANAGEMENT COST

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<tr>
<th>BUDGET ITEM</th>
<th>COST PER ACRE</th>
<th>SD</th>
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<tr>
<td>Salaries/Payroll</td>
<td>$32.47</td>
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<td>Payroll Benefits/Taxes</td>
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<td>Vehicles</td>
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<td>Contract Services</td>
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<tr>
<td>Equipment Purchase/Lease</td>
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<td>Equipment Maintenance/Repairs</td>
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<td>Fuel &amp; Travel</td>
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<td><strong>TOTAL</strong></td>
<td><strong>$93.96</strong></td>
<td><strong>$25.31</strong></td>
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ESTIMATING VALUE PER BIRD (VB)

VB = MC + OC + TTC

MC = land mgmnt budget
    FA*HR*WA

OC = cost of hunt - MC
daily bag limit

TTC = PT + TP + PB + trap +
    transport + misc
    # birds

$398.63 (± 181.33)

$170.92 (± 107.48)

$166.24 (± 65.71)
VB = MC + OC + TTC

• VB = $398.63 + $170.92 + $166.24

• VB = $735.79 (+ 267.79)

• TOTAL BIRDS DONATED FOR TRANSLOCATION
  = 3,866 X $735.79 = $2,844,564
DISCUSSION & MANAGEMENT IMPLICATIONS
CONTRIBUTIONS OF TRANSLOCATION:

• POPULATION RECOVERY GOALS OF NBCI 2.0

• CREATE NEW POPULATION HUBS

• ECONOMIC BENEFIT TO RURAL ECONOMIES

• PARTNERSHIP OF PRIVATE, STATE, AND NGO COULD SERVE AS MODEL FOR SIMILAR PROGRAMS
CONSIDERATIONS FOR TRANSLOCATION

• LARGE TARGET RELEASE AREA
• QUALITY HABITAT ON RELEASE SITES
• SHORT HOLDING TIMES
• PROPER TIMING OF RELEASE
QUESTIONS?