Goal: Select areas for grassland rehabilitation

1. Identify grassland areas that changed the least since 1940

2. Identify areas that are feasible for grassland rehabilitation

3. Find out which of the identified feasible areas are most suitable for grassland rehabilitation
Record and quantify vegetation change over time

<table>
<thead>
<tr>
<th>Time Period</th>
<th>Acres</th>
<th>Percentage of woodland</th>
</tr>
</thead>
<tbody>
<tr>
<td>1940</td>
<td>239.1</td>
<td>26</td>
</tr>
<tr>
<td>1949</td>
<td>432.6</td>
<td>47</td>
</tr>
<tr>
<td>1956</td>
<td>469.5</td>
<td>51</td>
</tr>
<tr>
<td>1969</td>
<td>658.6</td>
<td>71</td>
</tr>
<tr>
<td>1984</td>
<td>693.4</td>
<td>75</td>
</tr>
<tr>
<td>1999</td>
<td>742.3</td>
<td>81</td>
</tr>
</tbody>
</table>

503 acres - tree cover growth since 1940

Image Analyst (‘Align’ tool, ‘Find Like Area’) 
Spatial Analyst (Map Calculator)
1940 Vegetation

1940 woodland - 239 acres

Vegetation cover
- 1940 woodland
- 1940 grassland
1969 Vegetation

1969 woodland - 658 acres

Vegetation cover
- 1969 woodland
- 1969 grassland
1999 Vegetation

Existing Vegetation Cover Extent.

Vegetation cover
- 1999 woodland
- 1999 grassland