Terrestrial Mammals and Birds

Hypothesis: Birds and Mammals were predominantly introduced, via release and escape pathways.

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## Six Pathways of Introduction

<table>
<thead>
<tr>
<th>Pathway</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release</td>
<td>Intentional Introduction as a commodity for release.</td>
</tr>
<tr>
<td>Escape</td>
<td>Intentional Introduction as a commodity but escaped unintentionally.</td>
</tr>
<tr>
<td>Containment</td>
<td>Unintentionally introduction with a specific commodity.</td>
</tr>
<tr>
<td>Stowaway</td>
<td>Unintentionally introduction attached to or within a transport vector.</td>
</tr>
<tr>
<td>Unaided</td>
<td>Unintentionally introduction through natural dispersal of alien species across political borders.</td>
</tr>
<tr>
<td>Corridor</td>
<td>Unintentionally introduction via human infostructures linking previously unconnected regions.</td>
</tr>
</tbody>
</table>
Intentional vs Accidental Introductions

![Intentional vs Accidental Introductions graph]

- **Intentional** vs **Accidental** Introductions
- Graph showing the number of introductions for Birds and Mammals.
Intentional Introduction Pathways

![Bar chart showing intentional introduction pathway types for different taxa (Birds and Mammals). The x-axis represents the number of species, and the y-axis represents taxa. The chart uses colors to distinguish between types: blue for "Release," red for "Escape," and orange for "Both."](chart.png)
Birds: intentional introduction

- primary means
  - released as game animals
- moved as a result pet trade
  - relatively low success
- other significant reasons
  - aesthetics
  - agents of biocontrol

Gluzberg, Yekaterina 15 Oct. 2001
Mammals: intentional introductions

- primary importance
  - human food
  - game animals
- other significant reasons
  - aesthetics
  - draught animals

Photograph by Ginny York
Accidental Introduction Pathways

- **Accidental Introduction Pathway Type**

  - **Birds**
    - Stowaway: 2
    - Unaided: 4
    - Both: 0

  - **Mammals**
    - Stowaway: 3
    - Unaided: 4
    - Both: 1

  - **Number of Species**
Where are they coming from?
Where are they going?
Accidental Pathways and Future Research

- **Stowaway**
  - Birds 2
  - Mammals 3
- **Unaided**
  - Birds 4
  - Mammals 4
- **Future research should be focused on accidental unaided pathways.**


The Invasive Species Compendium

Global Invasive Species Database

Google Scholar