**Species Fact Sheets**

<table>
<thead>
<tr>
<th>Order:</th>
<th>Han</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scientific Name:</strong></td>
<td>Sagittarius serpentarius</td>
</tr>
<tr>
<td><strong>Family:</strong></td>
<td>Sagittariidae</td>
</tr>
<tr>
<td><strong>Common Name:</strong></td>
<td>Secretarybird</td>
</tr>
<tr>
<td><strong>AZA Management:</strong></td>
<td>☒ Red</td>
</tr>
</tbody>
</table>

**Photo (Male):**

**Photo (Female):**

**NATURAL HISTORY:**

<table>
<thead>
<tr>
<th>Geographic Range:</th>
<th>Europe</th>
<th>☐</th>
<th>Asia</th>
<th>☐</th>
<th>North America</th>
<th>☐</th>
<th>Neotropical</th>
<th>☐</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Africa</td>
<td>☒</td>
<td>Australia</td>
<td>☐</td>
<td>Other</td>
<td>☐</td>
<td>Click here to enter text.</td>
<td></td>
</tr>
<tr>
<td><strong>Habitat:</strong></td>
<td>Forest</td>
<td>☐</td>
<td>Desert</td>
<td>☐</td>
<td>Grassland</td>
<td>☒</td>
<td>Coastal</td>
<td>☐</td>
</tr>
<tr>
<td></td>
<td>Riverine</td>
<td>☐</td>
<td>Montane</td>
<td>☐</td>
<td>Other</td>
<td>☐</td>
<td>Click here to enter text.</td>
<td></td>
</tr>
<tr>
<td><strong>Circadian Cycle:</strong></td>
<td>Diurnal</td>
<td>☒</td>
<td>Crepuscular</td>
<td>☐</td>
<td>Nocturnal</td>
<td>☐</td>
<td>Other</td>
<td>☐</td>
</tr>
<tr>
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<td></td>
<td>Click here to enter text.</td>
</tr>
<tr>
<td><strong>Cold Tolerance:</strong></td>
<td>To 70° F</td>
<td>☐</td>
<td>To 60° F</td>
<td>☐</td>
<td>To 50° F</td>
<td>☐</td>
<td>To 40° F</td>
<td>☐</td>
</tr>
<tr>
<td></td>
<td>To 30° F</td>
<td>☐</td>
<td>To 20° F</td>
<td>☒</td>
<td>Other</td>
<td>☐</td>
<td>Click here to enter text.</td>
<td></td>
</tr>
<tr>
<td><strong>Heat Tolerance:</strong></td>
<td>To 30° F</td>
<td>☐</td>
<td>To 50° F</td>
<td>☐</td>
<td>To 70° F</td>
<td>☐</td>
<td>To 90° F</td>
<td>☐</td>
</tr>
<tr>
<td></td>
<td>To 110° F</td>
<td>☒</td>
<td>Other</td>
<td></td>
<td>Click here to enter text.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Diet:</strong></td>
<td>Frugivore</td>
<td>☐</td>
<td>Carnivore</td>
<td>☒</td>
<td>Piscivore</td>
<td>☐</td>
<td>Insectivore</td>
<td>☐</td>
</tr>
<tr>
<td></td>
<td>Nectivore</td>
<td>☐</td>
<td>Omnivore</td>
<td>☐</td>
<td>Folivore</td>
<td>☐</td>
<td>Other (Add Below)</td>
<td>☐</td>
</tr>
</tbody>
</table>

**Captive Dietary Needs:**

- Adults: Mice, carnivore
- Adults with chicks: Fuzzies and skinned mice are offered, then gradually introduce fur on mice

**Life Expectancy in the Wild:**

- Males: ~12 years
- Females: ~12 years

**Life Expectancy in Captivity:**

- Males: ~20+ years
- Females: ~20+ years
**BREEDING INFORMATION:**

<table>
<thead>
<tr>
<th>Age at Sexual Maturity:</th>
<th>Males: 3-4 Years</th>
<th>Females: 3-4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courtship Displays:</td>
<td>Wild: Aerial-Increase in soaring and calling above the nest area, at nest: repeated swooping pendulum displays, and sometimes may roll over and present the feet. Terrestrial-the canopy of a tree is trampled, then sticks and stems are added to form the nest. A platform that is 1-1.5m in diameter and can be 30-50cm deep is constructed with grasses being the finishing touches to line the nest. Copulation takes place on the ground. Captivity: repeated swooping pendulum displays on nest, chirping, manipulation of nest material. Copulation takes place on the ground.</td>
<td></td>
</tr>
<tr>
<td>Nest Site Description:</td>
<td>Wild: Canopy of trees usually Acacia sp. Captive: Flighted birds-“Hollowed out” Brazilian Pepper Tree Schinus terebinthifolius or something similar that is strong enough to support the weight of the nest. Birds that are pinioned have nested on the ground and used various types of material.</td>
<td></td>
</tr>
<tr>
<td>Clutch Size, Egg Description:</td>
<td>2-3(4) 68-92mm x 51-65mm white but, become deeply stained through incubation</td>
<td></td>
</tr>
<tr>
<td>Incubation Period:</td>
<td>42-44 days Incubation starts at the first egg with a 2-4 day interval</td>
<td></td>
</tr>
<tr>
<td>Fledgling Period:</td>
<td>Wild: ~65-106 days Captive: ~87 days or earlier with larger clutches</td>
<td></td>
</tr>
<tr>
<td>Parental Care:</td>
<td>42-44 days Incubation starts at the first egg with a 2-4 day interval</td>
<td></td>
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<tr>
<td>Chick Development:</td>
<td>Chicks are altricial are cared for by both parents. Food is brought to the nest 3-5 times a day and regurgitated into the bottom of the nest. During the first few weeks little water is brought to the nest, and dribbled into the chicks mouth, but after a few weeks as food sizes increase more water is brought up to the nest.</td>
<td></td>
</tr>
</tbody>
</table>

**CAPTIVE HABITAT INFORMATION:**

<table>
<thead>
<tr>
<th>Social Structure in the Wild:</th>
<th>Mate for life</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Structure in Captivity:</td>
<td>Mate for life</td>
</tr>
<tr>
<td>Minimum Group Size:</td>
<td>1</td>
</tr>
<tr>
<td>Maximum Group Size:</td>
<td>2 or parents with sibs or clutch mates when weaned.</td>
</tr>
<tr>
<td>Compatible in Mixed Species Exhibits:</td>
<td>Yes</td>
</tr>
<tr>
<td>Optimal Habitat Size:</td>
<td>60’x62’x15’</td>
</tr>
</tbody>
</table>
**Management Challenges:** Aggressiveness challenges.

**ADDITIONAL COMMENTS:**
Handrearing Protocols available upon request.
Parentrearing Diet Protocol available upon request.

**REFERENCES:**
http://www.hbw.com/species/secretarybird-sagittarius-serpentarius

**COMPLETED BY:**
Name: Michelle J P Handrus Secretarybird
SSP Coordinator and Regional Studbook Keeper
mhandrus@sandiegozoo.org
Date: 7/7/2017