Spoon-billed Sandpiper Conservation
A Flyway Approach

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Flagship species for the flyway

Photo: Jochen Dierschke
Listed among the 100 globally most threatened species (IUCN 2012)
Spoon-billed Sandpiper
Sightings on Non-breeding Grounds
THE SPOON - BILLED SANDPIPER WORKSHOP
At: Ban Kung Nam Resort
10-12 December 2006
BCST, BirdLife Asia, AreCona, Cambridge
Supported By: Department of Marine and Coastal Resources
Save the Spoon-billed Sandpiper
<table>
<thead>
<tr>
<th>Population estimates (Breeding pairs)</th>
<th>Number</th>
<th>Year</th>
<th>Status</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,000 – 2,800</td>
<td>1970s</td>
<td></td>
<td></td>
<td>Flint &amp; Kondratyev 1977</td>
</tr>
<tr>
<td>≤1,000</td>
<td>2000</td>
<td>VU</td>
<td></td>
<td>Tomkovich et al. 2002</td>
</tr>
<tr>
<td>400-570</td>
<td>2003</td>
<td>EN</td>
<td></td>
<td>Syroechkovskiy, 2005</td>
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<tr>
<td>120-220</td>
<td>2009</td>
<td>CR</td>
<td></td>
<td>Zöckler et al. 2010</td>
</tr>
<tr>
<td>80-400 pairs</td>
<td>2018</td>
<td></td>
<td></td>
<td>several authors in prep.</td>
</tr>
</tbody>
</table>
Bestandsrückgang in der Bucht von Mottama

Aung et al. 2018. Oryx

8.3%
Chukotka

The breeding ground

“BirdsRussia” (Russian Society for Conservation and Studies of Birds)
Monitoring plots in Meinypilgyno area
Breeding success (fledglings per breeding pair) | 0.61

| Clutch size | 3.8 |
| Nest survival | 64.5% |
| Brood size | 1.99 |
| Chick surviving to fledging | 0.93 (~40–50%) |
# RESULTS OF THE HEAD-STARTING PROJECT

<table>
<thead>
<tr>
<th>Year</th>
<th># of eggs collected</th>
<th># of chicks hatched</th>
<th># of chicks released</th>
<th># of birds returned</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>17</td>
<td>10</td>
<td>9</td>
<td>-</td>
</tr>
<tr>
<td>2013</td>
<td>20</td>
<td>17</td>
<td>16</td>
<td>-</td>
</tr>
<tr>
<td>2014</td>
<td>32</td>
<td>27</td>
<td>26</td>
<td>1</td>
</tr>
<tr>
<td>2015</td>
<td>33</td>
<td>29</td>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>2016</td>
<td>35</td>
<td>30</td>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>2017</td>
<td>38</td>
<td>30</td>
<td>30</td>
<td>8</td>
</tr>
<tr>
<td>2018</td>
<td>35</td>
<td>25</td>
<td>22</td>
<td>8</td>
</tr>
</tbody>
</table>
Individual plastic flags were used since 2013:

The Incredible Journey of the Famous Female ‘05’

‘05’ was first ringed on her nest in Ankavie, on the eastern part of the Meinypyl’gino spit, Chukotka, Russia, on 20 June 2013. And returned for breeding in 2014-2017.

‘05’ in Khok Kham, in Jan 2014-2018

Photo Smith Sutibut

05 in spring 2014 in Tiaozini Sandbanks

Photo Guy Anderson
Meinypyl’guno
Heritage Expeditions
Surveys in 2011-2018:
8 years – two new sites!
Meinypyl’guno
Proposed boarders of the Nature Park “The Land of Spoon-billed Sandpiper” – now in discussion with Chukotka Government
• Regularly over 200 SBS in autumn – moulting site
• Important autumn and spring stopover site
• Hosting more than 100,000 waterbirds
Each arrow shows a mistnet pole
New areas to focus in future — DPRK & Sumatra, Indonesia

Figure 2. Centroids of fixes of five satellite-tagged spoon-billed sandpipers near Yonan, Democratic People's Republic of Korea.
Gulf of Mataban - Survey Results
January 2008

Legend
- Spoonbilled Sandpiper
- SBS Records from 1800's

0 5 10 20 30 40 Km

160-220 SBS
2008: 35
2009: 14
2010: 14
2011: 22
2012: 25
2013: 20
2014: 20
2015: 18
2016: 18
2017: 20
2018: 23

Nan Thar Island
Myanmar
Promoting Eco-tourism and training former hunters to become local guides.
“Something better than extinction you can find anywhere”
SBS Flyway approach is a partnership approach

http://www.eaaflyway.net/spoonbilled-sandpiper.php
Thank you