Konosirus punctatus

Assessment by: Hata, H.

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**Taxonomy**

<table>
<thead>
<tr>
<th>Kingdom</th>
<th>Phylum</th>
<th>Class</th>
<th>Order</th>
<th>Family</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animalia</td>
<td>Chordata</td>
<td>Actinopterygii</td>
<td>Clupeiformes</td>
<td>Clupeidae</td>
</tr>
</tbody>
</table>

**Taxon Name:** *Konosirus punctatus* (Temminck & Schlegel, 1846)

**Synonym(s):**
- *Chatoessus punctatus* Temminck & Schlegel, 1846

**Taxonomic Source(s):**

**Assessment Information**

**Red List Category & Criteria:** Least Concern ver 3.1

**Year Published:** 2017

**Date Assessed:** February 28, 2017

**Justification:**
*Konosirus punctatus* is broadly distributed in the West Pacific, where it occupies coastal, marine habitats. It is targeted in some areas, taken in mixed fisheries and as by-catch in the region. Spawning occurs in estuaries, and therefore, estuarine degradation may impact this species. Population information is limited for this species. Recent declines in Japanese landings are difficult to interpret, given changes in the spatial distribution of the fishing fleet in Japan. This species is listed as Least Concern; however, monitoring of catch and effort for this species is strongly recommended.

**Geographic Range**

**Range Description:**
*Konosirus punctatus* is distributed in the Indo-West Pacific along the coasts of Japan (except for the Ryukyu Islands) and the Korean Peninsula, south to northern Viet Nam, including Taiwan (Whitehead 1985, H. Hata pers. comm. 2017). Based on data from other related species, this species’ depth range is estimated to be 0-50 m.

**Country Occurrence:**
**Native:** China; Japan; Korea, Democratic People’s Republic of; Korea, Republic of; Taiwan, Province of China; Viet Nam

**FAO Marine Fishing Areas:**
**Native:** Pacific - northwest
Population
Population data are unavailable for this species. Japanese landings are available since the late 1800s, and fluctuate at time scales greater than 10 years (Kuroda et al. 2002). Recently landings are in decline (Kuroda et al. 2002, FAO 2016); however, there are changes in the spatial distribution of the fishing fleet that makes interpretation of the data difficult (Kuroda et al. 2002).

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)
Konosirus punctatus can be found in marine waters along with brackish environments, especially during spawning and will also migrate within subtropical waters to find food (Whitehead 1985). The population has been known to migrate depending on spawning and feeding location availability; however, K. punctatus will also inhabit coral reefs (FAO 1985). The species is usually found to be 25 cm standard length (Whitehead 1985).

Systems: Marine

Use and Trade
There is minor commercial use and fisheries associated with this species (FAO 1985). The species has low value but it is considered to be important to Japanese fish markets (Whitehead 1985). In Japan, this species is caught using trap nets, beach seines (Whitehead 1985), pound nets and gill nets (Takita 1978). This species is used as a food fish, particularly its roe in sushi (H. Hata pers. comm. 2017).

Threats (see Appendix for additional information)
This species is commercially harvested and taken as by-catch. This coastal species spawns in estuaries, and thus may be negatively impacted by estuarine degradation. More research is necessary to determine the extent these threats may have on this species.

Conservation Actions (see Appendix for additional information)
No known species-specific conservation measures are in place for K. punctatus; however, its range may overlap with marine protected areas (IUCN and UNEP-WCMC 2017).

Credits
Assessor(s): Hata, H.
Reviewer(s): Birge, TB
Facilitators(s) and Compiler(s): Ralph, G.
Bibliography


Citation


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External Resources

For Images and External Links to Additional Information, please see the Red List website.
Appendix

Habitats
(http://www.iucnredlist.org/technical-documents/classification-schemes)

<table>
<thead>
<tr>
<th>Habitat</th>
<th>Season</th>
<th>Suitability</th>
<th>Major Importance?</th>
</tr>
</thead>
<tbody>
<tr>
<td>10. Marine Oceanic -&gt; 10.1. Marine Oceanic - Epipelagic (0-200m)</td>
<td>Resident</td>
<td>Suitable</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Threats
(http://www.iucnredlist.org/technical-documents/classification-schemes)

<table>
<thead>
<tr>
<th>Threat</th>
<th>Timing</th>
<th>Scope</th>
<th>Severity</th>
<th>Impact Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. Biological resource use -&gt; 5.4. Fishing &amp; harvesting aquatic resources -&gt; 5.4.2. Intentional use: (large scale) [harvest]</td>
<td>Ongoing</td>
<td>Unknown</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Stresses: 2. Species Stresses -> 2.1. Species mortality

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<tr>
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<th>Impact Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. Biological resource use -&gt; 5.4. Fishing &amp; harvesting aquatic resources -&gt; 5.4.4. Unintentional effects: (large scale) [harvest]</td>
<td>Ongoing</td>
<td>Unknown</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Stresses: 2. Species Stresses -> 2.1. Species mortality

Conservation Actions in Place
(http://www.iucnredlist.org/technical-documents/classification-schemes)

Conservation Actions in Place

In-Place Land/Water Protection and Management

Occur in at least one PA: Unknown

Conservation Actions Needed
(http://www.iucnredlist.org/technical-documents/classification-schemes)

Conservation Actions Needed


Research Needed
(http://www.iucnredlist.org/technical-documents/classification-schemes)
**Research Needed**

1. Research -> 1.2. Population size, distribution & trends
2. Research -> 1.3. Life history & ecology
3. Research -> 1.5. Threats

**3. Monitoring -> 3.2. Harvest level trends**

**Additional Data Fields**

<table>
<thead>
<tr>
<th>Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower depth limit (m): 50</td>
</tr>
<tr>
<td>Upper depth limit (m): 0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Habitats and Ecology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movement patterns: Full Migrant</td>
</tr>
</tbody>
</table>
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