Glaucous Gull
*Larus hyperboreus*

Class: Aves
Order: Charadriiformes
Review Status: Peer-reviewed
Version Date: 12 July 2020

**Conservation Status**

*Table 1 Conservation status according to state, national, and international organizations and agencies.*

<table>
<thead>
<tr>
<th>Organization</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>NatureServe</td>
<td>G5/S5BS4N</td>
</tr>
<tr>
<td>ADF&amp;G</td>
<td>Species of Greatest Conservation Need</td>
</tr>
<tr>
<td>IUCN</td>
<td>Least Concern</td>
</tr>
</tbody>
</table>

**Final Rank**

Conservation Category: **VII. Yellow**
Low status and either high biological vulnerability or high action need

*Table 2 ASRS categorical scores. Higher numerical scores denote greater concern.*

<table>
<thead>
<tr>
<th>Category</th>
<th>Range</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>-20 to 20</td>
<td>-10</td>
</tr>
<tr>
<td>Biological</td>
<td>-50 to 50</td>
<td>-32</td>
</tr>
<tr>
<td>Action</td>
<td>-40 to 40</td>
<td>4</td>
</tr>
</tbody>
</table>

**Status**

Variables measure the trend in a taxon’s population status or distribution. Higher status scores denote taxa with known declining trends. Status scores range from -20 (increasing) to 20 (decreasing).

**Population Trend in Alaska (-10 to 10)**
Suspected to be increasing, based on trend estimates from the Arctic Coastal Plain (1991-2012; Stehn et al. 2013) and the Yukon-Kuskokwim Delta (2004-2014; Platte and Stehn 2015).

Score: -10

**Distribution Trend in Alaska (-10 to 10)**
Unknown.

Score: 0

**Status Total: -10**
Biological
Variables measure aspects of a taxon’s distribution, abundance and life history. Higher biological scores suggest greater vulnerability to extirpation. Biological scores range from -50 (least vulnerable) to 50 (most vulnerable).

Population Size in Alaska (-10 to 10)
Petersen et al. (2015a) estimated that 50,000 pairs (100,000 individuals) breed in Alaska. Estimates from the Arctic Coastal Plain and the Yukon-Kuskokwim Delta also point to a population size >25,000 (Stehn et al. 2013; Platte and Stehn 2015).

Score: -10

Range Size in Alaska (-10 to 10)
Breeds in northern and western Alaska, including on Nunivak Island and St. Lawrence Island (Denlinger 2006; Weiser and Gilchrist 2020). Overwinters in open water, on the Aleutian Islands and on the Pribilof Islands, however, most of the population leaves Alaska for the winter (Weiser and Gilchrist 2020; E. Weiser, USGS, pers. comm.). Size of breeding range is estimated at 235,000 sq. km, based on range map from ACCS (2017a).

Score: -8

Population Concentration in Alaska (-10 to 10)
Breeds in single pairs and colonies. 158 colonies have been documented (Petersen et al. 2015a).

Score: -6

Reproductive Potential in Alaska

Age of First Reproduction (-5 to 5)
Can start breeding at 4 years (Weiser and Gilchrist 2020).

Score: 1

Number of Young (-5 to 5)
Usually 3 eggs, with 1 clutch per breeding season (Weiser and Gilchrist 2020).

Score: 1

Ecological Specialization in Alaska

Dietary (-5 to 5)
Opportunistic forager whose diet varies spatially and seasonally (Schmutz and Hobson 1998). Common food items include fish, marine invertebrates, other birds and their eggs, carrion, garbage, and small mammals (Schmutz and Hobson 1998; Weiser and Powell 2011).

Score: -5

Habitat (-5 to 5)
During breeding season, found in marine and freshwater coastal habitats on cliffs, islands, tundra, beaches, and near human settlements; rarely found more than a few kilometers inland (Weiser and Gilchrist 2020). Where ground predators are present, Glaucous Gulls will nest in
inaccessible locations, like cliff ledges or on freshwater islands. During winter, found on beaches, urban areas, and open water near shore (Weiser and Gilchrist 2020).

Score: -5

**Biological Total: -32**

**Action**

Variables measure current state of knowledge or extent of conservation efforts directed toward a given taxon. Higher action scores denote greater information needs due to lack of knowledge or conservation action. Action scores range from -40 (lower needs) to 40 (greater needs).

**Management Plans and Regulations in Alaska (-10 to 10)**

Protected under the Migratory Bird Treaty Act (MBTA 1918). Open to subsistence harvest with liberal harvest regulations (Petersen et al. 2015a; AMBCC 2020).

Score: 2

**Knowledge of Distribution and Habitat in Alaska (-10 to 10)**

Habitat associations and range well known from many observations and surveys (Smith and Connors 1993; Arimitsu et al. 2007; Stehn et al. 2013; Platte and Stehn 2015).

Score: -10

**Knowledge of Population Trends in Alaska (-10 to 10)**

Population estimates are available for the Yukon-Kuskokwim Delta and the Arctic Coastal Plain (Stehn et al. 2013; Platte and Stehn 2015) but are not available statewide.

Score: 2

**Knowledge of Factors Limiting Populations in Alaska (-10 to 10)**

Possible factors that limit this species’ population include organic contaminants, which may affect chick growth and survival (Vander Pol et al. 2009), human harvest (Petersen et al. 2015a), and fisheries bycatch (Phillips et al. 2010; Krieger et al. 2019). Additional research is needed to determine these factors’ effects. Winter distribution is likely constrained by sea ice and food availability (Weiser and Gilchrist 2020).

Score: 10

**Action Total: 4**

**Supplemental Information**

Variables do not receive numerical scores. Instead, they are used to sort taxa to answer specific biological or management questions.

**Harvest:** Substantial, regulations

**Seasonal Occurrence:** Breeding

**Taxonomic Significance:** Monotypic species

**% Global Range in Alaska:** <10%

**% Global Population in Alaska:** 25-74%

**Peripheral:** No
References


Alaska Center for Conservation Science
Alaska Natural Heritage Program
University of Alaska Anchorage
Anchorage, AK