

## Figure S1

### Nests



**Species:** *Phalacrocorax gaimardi*. **Author:** Nataly Hidalgo Aranzamendi. **Date:** 10/15/2008. **Location:** Beach in Tacna. **Source:** permission to use requested. **Description:** Five nests with bags, filaments, and ropes



**Species:** *Pyrocephalus rubinus*. **Author:** Jhonson K. Vizcarra. **Date:** 01/10/2011.  
**Location:** Villa Locumba, Locumba, Jorge Basadre, Tacna. **Source:** permission to use requested. **Description:** Plastic fibers and tapes in nest.



**Species:** *Chroicocephalus serranus*. **Author:** Jhonson K. Vizcarra. **Date:** 01/11/2011.  
**Location:** Laguna Aricota, Curibaya, Candarave, Tacna. **Source:** permission to use requested. **Description:** Use of nets with poor final disposal for nesting.



**Species:** *Phalacrocorax brasilianus*. **Author:** Jhonson K. Vizcarra. **Date:** 10/31/2011. **Location:** Muelle Fiscal de Ilo, Moquegua. **Source:** permission to use requested. **Description:** Nest with chicks and structure made of ropes and plastic filaments.



**Species:** *Charadrius vociferus*. **Author:** Alexis Díaz. **Date:** 11/19/2011. **Location:** Lima. **Source:** iNaturalist. **Description:** White and blue plastic fragments.



**Species:** *Phalacrocorax brasilianus*. **Author:** Jhonson K. Vizcarra. **Date:** 01/01/2012.  
**Location:** Muelle Fiscal de Ilo, Moquegua. **Source:** permission to use requested.  
**Description:** Nest with chicks and structure made of ropes and plastic filaments.



**Species:** *Pyrocephalus rubinus*. **Author:** Jhonson K. Vizcarra. **Date:** 08/26/2014.  
**Location:** Villa Locumba, Locumba, Jorge Basadre, Tacna. **Source:** permission to use requested. **Description:** Fibers and plastic tapes.



**Species:** *Phalacrocorax gaimardi*. **Author:** Juan Chalco. **Date:** 10/15/2014. **Location:** Nazca, Ica. **Source:** Photo on Facebook (permission to use requested). **Description:** Plastic bags in nest.



**Species:** *Thraupis episcopus*. **Author:** Ken Simonite. **Date:** 10/20/2014. **Location:** Aguas Calientes, Cusco. **Source:** Macaulay Library. **Description:** White plastic tapes.



**Species:** *Phalacrocorax gaimardi*. **Author:** Jhonson K. Vizcarra. **Date:** 09/11/2015.  
**Location:** Punta Picata, Ite, Jorge Basadre, Tacna. **Source:** permission to use requested.  
**Description:** Nest with threads, ribbons, nets, filaments, and irregular shapes.



**Species:** *Spheniscus humboldti*. **Author:** Programa Punta San Juan. **Date:** 10/08/2015.  
**Location:** Punta San Juan, Marcona, Nazca, Ica. **Source:** permission to use requested.  
**Description:** Nest with adult individual perched on plastic bottles classified as hard plastic.



**Species:** *Campylorhynchus fasciatus*. **Author:** Raúl Perez. **Date:** 2016. **Location:** Universidad Nacional de Piura, Castilla, Piura. **Source:** permission to use requested. **Description:** Nest with bags and other solid waste.



**Species:** *Burhinus superciliaris*. **Author:** Raúl Perez. **Date:** 2016. **Location:** Humedal Santa Julia, Piura. **Source:** permission to use requested. **Description:** Nesting in contaminated sites.



**Species:** *Cinclodes taczanowskii*. **Author:** Jhonson K. Vizcarra. **Date:** 10/27/2016. **Location:** Punta San Pablo, Sama, Tacna, Tacna. **Source:** permission to use requested. **Description:** Nest with ropes and filaments.



**Species:** *Phalacrocorax gaimardi*. **Author:** Frank Suarez. **Date:** 11/08/2016. **Location:** Zona reservada Illescas, Sechura, Piura. **Source:** Photo on Facebook (permission to use requested). **Description:** Nest with abundant remains of plastic bags.





**Species:** *Phalacrocorax gaimardi*. **Author:** Marco Antonio Begazo Raa. **Date:** 05/16/2017. **Location:** Playa Platanales, Pacocha, Ilo, Moquegua. **Source:** permission to use requested. **Description:** Nest with filaments and bags.



**Species:** *Phalacrocorax gaimardi*. **Author:** Marco Antonio Begazo Raa. **Date:** 07/15/2017. **Location:** Playa Platanales, Pacocha, Ilo, Moquegua. **Source:** permission to use requested. **Description:** Ropes and bags.



**Species:** *Phalacrocorax gaimardi*. **Author:** Jhonson K. Vizcarra. **Date:** 08/12/2017. **Location:** Punta San Pablo, Sama, Tacna, Tacna. **Source:** permission to use requested. **Description:** Filaments, ropes and bags.



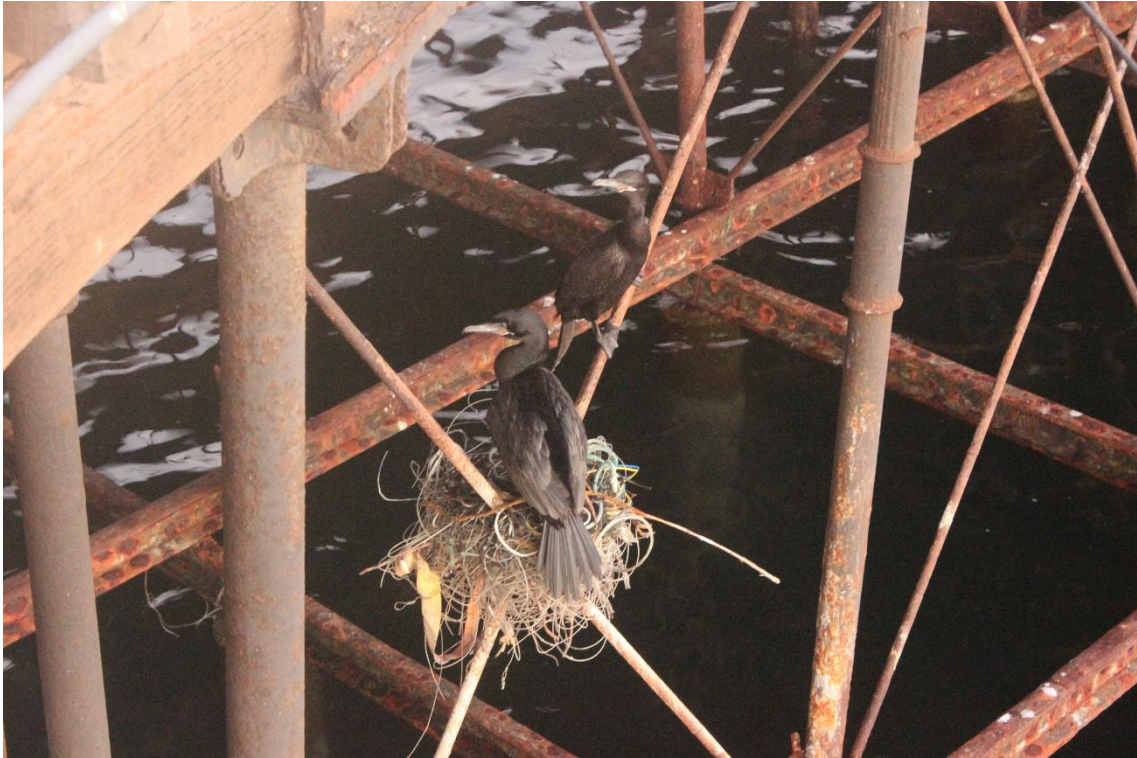
**Species:** *Phalacrocorax gaimardi*. **Author:** Mauricio Ugarte. **Date:** 08/29/2017. **Location:** El Faro, Matarani, Arequipa. **Source:** permission to use requeste. **Description:** Filaments, rope, tapes and bags.



**Species:** *Phalacrocorax gaimardi*. **Author:** Marco Antonio Begazo Raa. **Date:** 10/24/2017. **Location:** Playa Platanales, Pacocha, Ilo, Moquegua. **Source:** permission to use requested. **Description:** Filaments, ropes, tapes, and bags.



**Species:** *Phalacrocorax gaimardi*. **Author:** Marco Antonio Begazo Raa. **Date:** 10/24/2017. **Location:** Playa Platanales, Pacocha, Ilo, Moquegua. **Source:** permission to use requested. **Description:** Ropes, filaments, tapes, fragments, and bags.



**Species:** *Phalacrocorax brasilianus*. **Author:** Luz Gavancho. **Date:** 12/05/2017. **Location:** Ilo, Moquegua. **Source:** permission to use requested. **Description:** Ropes and filaments.



**Species:** *Charadrius vociferus*. **Author:** Raúl Perez. **Date:** 2018. **Location:** Humedal Santa Julia, Piura. **Source:** permission to use requested. **Description:** Egg laying on site with the presence of plastic bags.



**Species:** *Pyrocephalus rubinus*. **Author:** Teresa de Jesús Avalo Vélchez. **Date:** 01/21/2018. **Location:** Manglares de San Pedro, Sechura, Piura. **Source:** Photo on Facebook (permission to use requested). **Description:** Nest with chicks and structured with green plastic fibers.



**Species:** *Larus dominicanus*. **Author:** Marco Antonio Begazo Raa. **Date:** 04/29/2018. **Location:** Punta Coles, Ilo, Moquegua. **Source:** permission to use requested. **Description:** nest with ropes, fibers, threads, and bags.



**Species:** *Haematopus palliatus* **Author:** Enver Ortiz. **Date:** 01/24/2019. **Location:** Pantanos de Villa, Lima. **Source:** Photo on Facebook (permission to use requested). **Description:** Nest with plastic fragments. Species recognized for decorating its nesting area.



**Species:** *Fulica ardesiaca*. **Author:** Jhonson K. Vizcarra. **Date:** 04/13/2019. **Location:** Humedales de Ite, Ite, Jorge Basadre, Tacna. **Source:** permission to use requested. **Description:** Bags in nest.



**Species:** *Coragyps atratus*. **Author:** Saori Grillo Yara. **Date:** 09/29/2019. **Location:** Lima. **Source:** Facebook photo (permission to use requested). **Description:** Bags and plastic fragments.



**Species:** *Myiozetetes similis*. **Author:** Peter Colasanti. **Date:** 10/31/2019. **Location:** La Casa de Seizo, hospedaje Rumipata, San Martín. **Source:** Macaulay Library. **Description:** Plastic bags in nest.



**Species:** *Phalacrocorax gaimardi*. **Author:** Walter Wust. **Date:** January 2020. **Location:** Paracas, Ica. **Source:** Photograph on Facebook (permission to use requested). **Description:** Tapes, ropes, and bags.



**Species:** *Phalacrocorax gaimardi*. **Author:** Diego Nishiyama. **Date:** 01/15/2020. **Location:** Playa Platanales, Pacocha, Ilo, Moquegua. **Source:** Photograph on Facebook (permission to use requested). **Description:** Bags, filaments, and ropes.





**Species:** *Coereba flaveola*. **Author:** Antonio W. Salas. **Date:** 05/07/2020. **Location:** Lima. **Source:** iNaturalist. **Description:** Nest found on the ground with the presence of plastic fibers.



**Species:** *Todirostrum cinereum*. **Author:** Félix Ayala. **Date:** 01/26/2021. **Location:** Bellavista de la Unión, Sechura, Piura. **Source:** permission to use requested. **Description:** White plastic tapes of polyethylene bags.



**Species:** *Campylorhynchus fasciatus*. **Author:** Félix Ayala. **Date:** 01/02/2021. **Location:** Bellavista de la Unión, Sechura, Piura. **Source:** permission to use requested. **Description:** Original nest of *Furnarius leucopus* abandoned, adapted, and used by *C. fasciatus* with plastic fibers.



**Species:** *Thraupis episcopus*. **Author:** Félix Ayala. **Date:** 02/15/2021. **Location:** Bellavista de la Unión, Sechura, Piura. **Source:** permission to use requested. **Description:** Nest with fibers and plastic tapes.



**Species:** *Tyrannus melancholicus*. **Author:** Félix Ayala. **Date:** 15/02/2021. **Location:** Bellavista de la Unión, Sechura, Piura. **Source:** permission to use requested. **Description:** Nest with blue fibers and white plastic tapes.



**Species:** *Campylorhynchus fasciatus*. **Author:** Félix Ayala. **Date:** 03/16/2021. **Location:** Bernal, Sechura, Piura. **Source:** permission to use requested. **Description:** Nest with plastic bags.



**Species:** *Geospizopsis plebejus*. **Author:** Félix Ayala. **Date:** 04/14/2021. **Location:** Bellavista de la Unión, Sechura, Piura. **Source:** permission to use requested. **Description:** White plastic ribbons around the entire nest. The structure was not moved to avoid damaging the eggs present.



**Species:** *Pyrocephalus rubinus*. **Author:** Félix Ayala. **Date:** 07/22/2021. **Location:** Bellavista de la Unión, Sechura, Piura. **Source:** permission to use requested. **Description:** Nest with white plastic tapes.



**Species:** *Phalacrocorax brasilianus*. **Author:** Cristel Cordero. **Date:** 09/23/2021.  
**Location:** Muelle Fiscal de Ilo, Moquegua. **Source:** permission to use requested.  
**Description:** Empty nest with solid waste and remains of fishing gear (electricity cables, wires, ropes, fishing lines, fishing swivel, and hooks).



**Species:** *Phalacrocorax brasilianus*. **Author:** Cristel Cordero. **Date:** 09/23/2021.  
**Location:** Muelle Fiscal de Ilo, Moquegua. **Source:** permission to use requested.  
**Description:** About 23 Neotropical cormorant nests with fledglings and empty nests with solid waste and fishing gear debris.



**Species:** *Larosterna inca*. **Author:** Lyanne Ampuero. **Date:** 10/22/2021. **Location:** Punta San Juan, Marcona, Nazca, Ica. **Source:** permission to use requested. **Description:** Burrow-type nest with Inca Tern eggs next to a black plastic bag waste.



**Species:** *Campylorhynchus fasciatus*. **Author:** Félix Ayala. **Date:** 02/21/2022. **Location:** Bellavista de la Unión, Sechura-Piura. **Source:** permission to use requested. **Description:** Nest apparently abandoned with white ribbons.

### Entanglement



**Species:** *Pelecanus thagus*. **Author:** Programa Punta San Juan. **Date:** 12/28/2005. **Location:** Punta San Juan, Marcona, Nazca, Ica. **Source:** permission to use requested. **Description:** Adult pelican with blue plastic bag waste entangled on part of its body.



**Species:** *Phalacrocorax gaimardi*. **Author:** Nataly Hidalgo Aranzamendi. **Date:** 06/02/2009. **Location:** Humedales de Ite, Tacna. **Source:** permission to use requested. **Description:** 14 individuals entangled in fishing nets. Only two individuals were saved.



**Species:** *Larus belcheri*. **Author:** Jhonson K. Vizcarra. **Date:** 12/19/2010. **Location:** Desembocadura del río Ilo, Ilo, Moquegua **Source:** permission to use requested. **Description:** Threads in leg.





**Species:** *Spheniscus humboldti*. **Author:** Marco Cardeña/Programa Punta San Juan. **Date:** 03/12/2013. **Lugar:** Punta San Juan, Marcona, Nazca, Ica. **Source:** permission to use requested. **Description:** Adult penguin with fishing gear filaments between its head and beak.



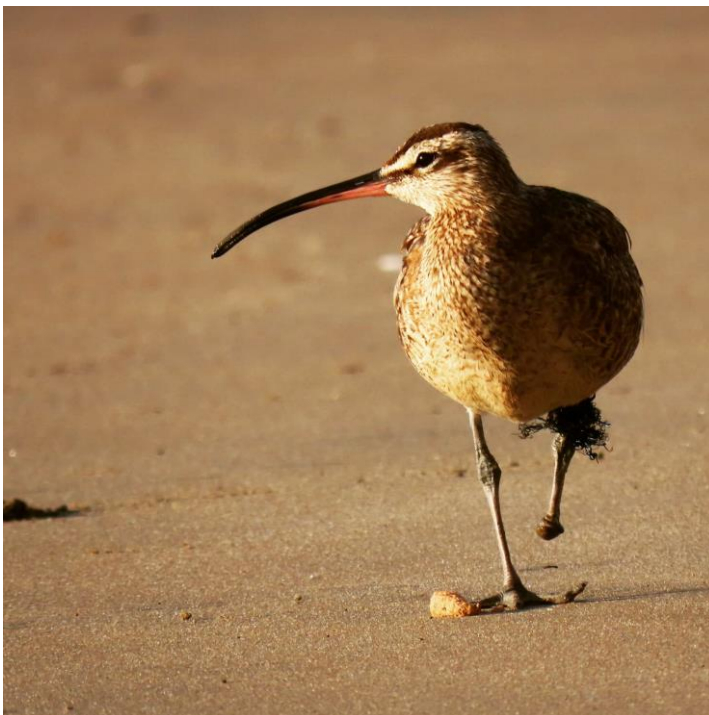
**Species:** *Theristicus melanopis*. **Author:** Jhonson K. Vizcarra. **Date:** 11/14/2013. **Location:** Pampa Baja, Ite, Jorge Basadre, Tacna. **Source:** permission to use requested. **Description:** Thread on leg.



**Species:** *Phalacrocorax brasilianus*. **Author:** Shirley Feyre. **Date:** 05/29/2018. **Location:** Laguna de la Molina, Lima. **Source:** permission to use requested. **Description:** Monofilament netting remaining on the bird's neck.



**Species:** *Leucophaeus pipixcan* **Author:** Christian Quispe. **Date:** 11/21/2019. **Location:** Pantanos de Villa, Lima. **Source:** permission to use requested. **Description:** Entanglement with blue plastic bag.



**Species:** *Numenius phaeopus*. **Author:** Frank Suarez. **Date:** September, 2021. **Location:** Zona reservada Illescas, Sechura, Piura. **Source:** Photography on Facebook (permission to use was requested). **Description:** Apparent loss of limb due to marine debris and rest of plastic material still in the leg.



**Species:** *Phalacrocorax bougainvillii*. **Author:** Programa Punta San Juan. **Date:** 01/19//2017. **Location:** Punta San Juan, Marcona, Nazca, Ica. **Source:** permission to use requested. **Description:** Fishing gear strands entangled between the head and neck of an adult Guanay Cormorant.



**Species:** *Coragyps atratus*. **Author:** Willy Nizama. **Date:** 08/26/2017. **Location:** Rodríguez de Mendoza, Amazonas. **Source:** Photo on Facebook (permission to use requested). **Description:** Plastic bags on leg.



**Species:** *Theristicus melanopis*. **Author:** Jhonson K. Vizcarra. **Date:** 11/11/2018.  
**Location:** Humedales de Ite, Jorge Basadre, Tacna. **Source:** permission to use requested.  
**Description:** Remains of threads on the leg.



**Species:** *Thalassarche melanophrys*. **Author:** Jhonson K. Vizcarra. **Date:** 11/30/2018.  
**Location:** Playa Llostay, Sama, Tacna. **Source:** permission to use requested. **Description:** Carcass of adult individual in fishing nets.



**Species:** *Cathartes aura*. **Author:** Jhonson K. Vizcarra. **Date:** 03/14/2019. **Location:** Mouth of the Ilo River, Ilo, Moquegua. **Source:** permission to use requested. **Description:** Adult individual entangled in fishing gear filaments.



**Species:** *Larus belcheri*. **Author:** Shirley Freyre. **Date:** August 2021. **Location:** Pantanos de Villa, Lima. **Source:** Photo on Facebook (permission to use requested). **Description:** Entanglement in leg with rope.



**Species:** *Bartramia longicauda*. **Author:** Fernando Angulo. **Date:** 09/14/2021. **Location:** Rio Amazonas, near to Iquitos. **Source:** permission to use requested. **Description:** Killed by entanglement.



**Species:** *Calidris melanotos* **Author:** Fernando Angulo. **Date:** 09/14/2021. **Location:** Rio Amazonas, near to Iquitos. **Source:** Author contribution. **Description:** released after removing the net.

## Capture and Handling



**Species:** *Nycticorax nycticorax*. **Author:** Jhonson K. Vizcarra. **Date:** 01/09/2011. **Location:** Desembocadura del río Ilo, Moquegua. **Source:** permission to use requested. **Description:** Movement of the plastic to access its food.



**Species:** *Larus dominicanus*. **Author:** Luz Gavancho. **Date:** 12/13/2012. **Location:** Marcona, Nazca, Ica. **Source:** permission to use requested. **Description:** An individual with a plastic bag.



**Especie:** *Phalacrocorax bougainvillii*. **Author:** Paulo Colchao/Programa Punta San Juan. **Date:** 26/02/2015. **Location:** Punta San Juan, Marcona, Nazca, Ica. **Source:** permission to use requested. **Description:** Handling of green plastic fibers by Guanay Cormorant fledglings.



**Species:** *Sicalis olivascens*. **Author:** Cesar Ortiz. **Date:** 06/14/2015. **Location:** Alto Cayma, Arequipa. **Source:** permission to use requested. **Description:** Handling of tapes for nest construction.





**Species:** *Larus belcheri*. **Author:** Jhonson K. Vizcarra. **Date:** 08/03/2016. **Location:** Playa El Diablo, Ilo, Moquegua. **Source:** permission to use requested. **Description:** Seconds before it had manipulated the ropes and plastic tapes.



**Species:** *Haematopus palliatus*. **Author:** Jhonson K. Vizcarra. **Date:** 02/10/2017. **Location:** Playa Coquina, Ilo, Moquegua. **Source:** permission to use requested. **Description:** Chick pecking at black plastic bags.



**Species:** *Paroaria coronata*. **Author:** Shirley Freyre. **Date:** 05/13/2017. **Location:** Lima. **Source:** Photo on Facebook (permission to use requested). **Description:** Handling balloon waste.



**Species:** *Larus belcheri*. **Author:** Juan Urquiaga. **Date:** 07/09/2017. **Location:** Pisco, Ica. **Source:** Photograph on Facebook (permission to use was requested). **Description:** Handling bag with remains of sauce.



**Species:** *Haematopus palliatus*. **Author:** Jhonson K. Vizcarra. **Date:** 03/15/2018. **Location:** Playa Belén, Ilo, Moquegua. **Source:** permission to use requested. **Description:** It is evident that the individual pecked the rope.



**Species:** *Sternula lorata*. **Author:** Jhonson K. Vizcarra. **Date:** 11/26/2018. **Location:** Pampa El Palo, Ilo, Moquegua. **Source:** permission to use requested. **Description:** An individual holding a cigarette butt.



**Species:** *Arenaria interpres*. **Author:** Karlóm Herrera Peralta. **Date:** 12/16/2019. **Location:** Parachique, Sechura, Piura. **Source:** permission to use requested. **Source:** permission to use requested. **Description:** An individual pecking at plastic bags.



**Species:** *Plegadis ridgwayi*. **Author:** Jhonson K. Vizcarra. **Date:** 08/29/2019. **Location:** Desembocadura del río Ilo, Moquegua. **Source:** permission to use requested. **Description:** Movement of plastic cups in search of food.



**Species:** *Arenaria interpres*. **Author:** Fernando Angulo. **Date:** 01/15/2020. **Location:** Parachique, Sechura, Piura. **Source:** permission to use requested. **Description:** pecking on raffia sack ribbons.



**Species:** *Phalcoboenus megalopterus*. **Author:** Jhonson K. Vizcarra. **Date:** 04/23/2021. **Location:** Punta Yerba Buena, Ilo, Moquegua. **Source:** permission to use requested. **Description:** An individual pecking at a degraded plastic bag.



**Species:** *Larus dominicanus*. **Author:** Doris Choquehuanca. **Fecha:** 08/19/2021. **Location:** Salaverry, La Libertad. **Source:** permission to use requested. **Description:** Capture and handling of plastic bag.

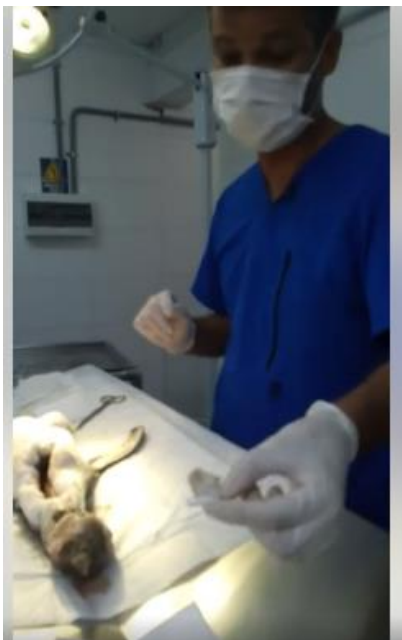


**Species:** *Gallinula galeata*. **Author:** Gabriel-de La-Torre. **Date:** 10/03/2021. **Location:** Laguna Huacachina, Ica. **Source:** permission to use requested. **Description:** Chick and adult peck at white plastic bag.



**Species:** *Larus dominicanus*. **Author:** Félix Ayala. **Date:** 02/15/2022. **Location:** Caleta Constante, Sechura-Piura. **Source:** permission to use requested. **Description:** Bird trying to break a bag to remove garbage.

### Ingestion



**Species:** *Spheniscus humboldti*. **Author:** Francisco Cavero. **Date:** 12/15/2012. **Location:** Playa Arica, Lurín, Lima. **Source:** Video on Facebook (permission to use requested). **Description:** Necropsy revealed fragments and filaments. **Link:** <https://web.facebook.com/watch/?v=787058338294263>



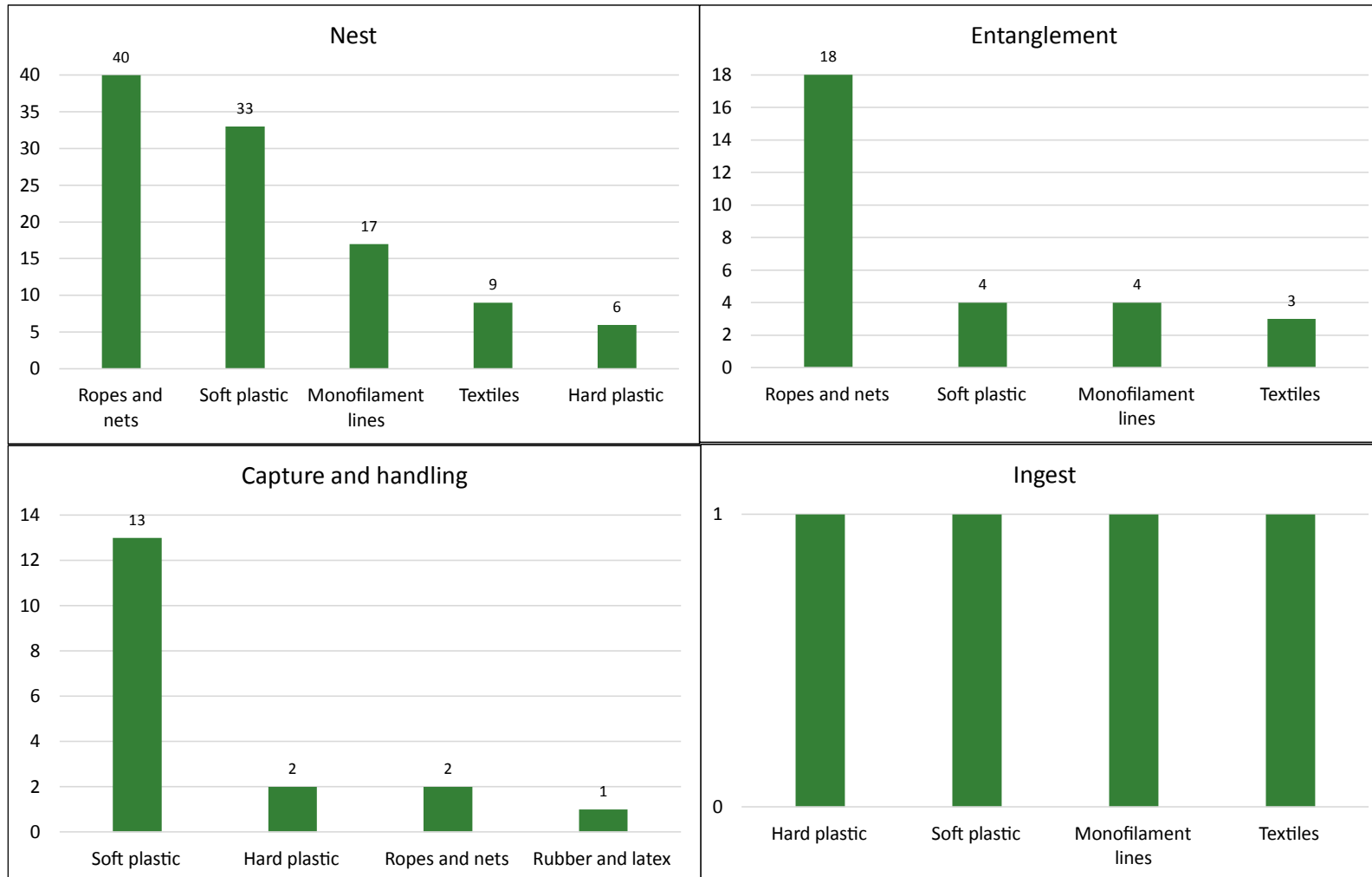
**Species:** *Spheniscus humboldti*. **Author:** Circulo Estudiantil Veterinario de Fauna Silvestre – Universidad Nacional Pedro Ruiz Gallo. **Date:** 10/11/2017. **Location:** San José, Chiclayo, Lambayeque. **Source:** Photo on Facebook (permission to use requested). **Description:** Necropsy revealed ingestion of sock.



**Species:** *Hydrobates hornbyi*. **Author:** Karla Alfaro Flores. **Date:** 05/14/2019. **Location:** Lima. **Source:** permission to use requested. **Description:** The individual was in rehabilitation for three days. Hours before his release it regurgitated plastic bags and finally died.

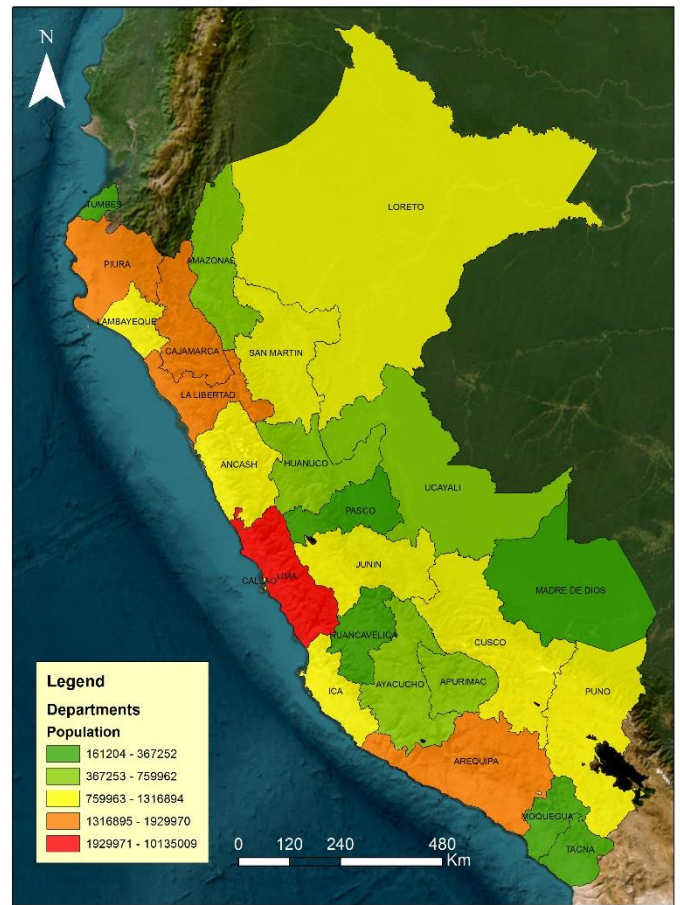
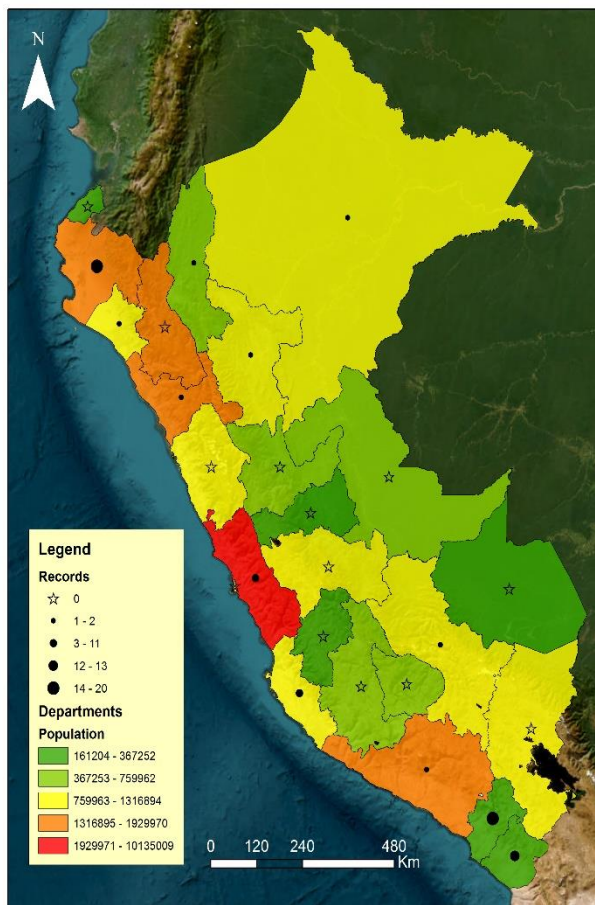


Figure S2



**Figure S3**

The city of Lima (in red), with more than 8 million inhabitants, shows few records of birds and interactions compared to other cities in the country. The city of Piura in the north (orange) and Moquegua (green) were the cities with the highest number of records. These results show the spatial bias due to the participation effort of citizen scientists. In addition, in 12 cities there were no records of interactions.



**Table. S1** Facebook groups where the ads were posted.

Group name	Members	Date of announcement	Group link
Aves del Perú/Birds of Peru	21,300	07/08/2021	<a href="https://web.facebook.com/photo/?fbid=4159211114158508&amp;set=gm.4481735798537522">https://web.facebook.com/photo/?fbid=4159211114158508&amp;set=gm.4481735798537522</a>
PAU PERÚ-Programa de Aves Urbanas Perú	196	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209609469118672&amp;set=gm.347291526885017">https://web.facebook.com/photo/?fbid=4209609469118672&amp;set=gm.347291526885017</a>
Aves de Cusco/Birds of Cusco	1400	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209633512449601&amp;set=gm.2920828028183282">https://web.facebook.com/photo/?fbid=4209633512449601&amp;set=gm.2920828028183282</a>
Fotografos de Aves Peruanos	1600	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209657512447201&amp;set=gm.1966680106835384">https://web.facebook.com/photo/?fbid=4209657512447201&amp;set=gm.1966680106835384</a>
Rare birds of Peru/Aves raras del Peru	866	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209655079114111&amp;set=gm.3709244529300782">https://web.facebook.com/photo/?fbid=4209655079114111&amp;set=gm.3709244529300782</a>
Aves de Ayacucho	678	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209781575768128&amp;set=gm.1625089544357193">https://web.facebook.com/photo/?fbid=4209781575768128&amp;set=gm.1625089544357193</a>
Aves de Apurímac	388	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209736369105982&amp;set=gm.1920608228115303">https://web.facebook.com/photo/?fbid=4209736369105982&amp;set=gm.1920608228115303</a>
Aves de Loreto	368	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209697522443200&amp;set=gm.4068488219885977">https://web.facebook.com/photo/?fbid=4209697522443200&amp;set=gm.4068488219885977</a>
Aves de Miraflores, S. Isidro, Barranco, S. Borja, Surco y Surquillo	413	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209700245776261&amp;set=gm.814260576122161">https://web.facebook.com/photo/?fbid=4209700245776261&amp;set=gm.814260576122161</a>
Aves de Amazonas	497	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209734199106199&amp;set=gm.4293802867380656">https://web.facebook.com/photo/?fbid=4209734199106199&amp;set=gm.4293802867380656</a>
Aves de Tumbes y Piura	211	07/26/2021	<a href="https://web.facebook.com/photo/?fbid=4209719729107646&amp;set=gm.2847602495487927">https://web.facebook.com/photo/?fbid=4209719729107646&amp;set=gm.2847602495487927</a>

**Table. S2** Types of interactions and sources of reports of interacting birds. Also type of foraging habitat (M: Marine, T: Terrestrial, W: Rivers and/or Continental Wetlands), status in Peru (resident / visitor), distribution, and conservation status (EN: Endangered, VU: Vulnerable, NT: Near Threatened and LC: Least Concern) of bird species. IUCN: International Union for Conservation of Nature. Symbols (-) mean that there are no studies or reports.

Species	Foraging habitat	Status in Peru	Distribution	Conservation status	Interactions				Observer or reporter/Reference
					Nest (*)	Entanglement (#)	Capture and Handling (\$)	Ingestion (+)	
<i>Arenaria interpres</i>	M, W	Visitor	On all continents except Antarctica	LC	-	#	\$	-	Fernando Angulo <sup>§</sup> ; Karlóm Herrera-Peralta <sup>§</sup> /Underhill (2002) <sup>#</sup> ; Ryan (2018) <sup>#</sup>
<i>Bartramia longicauda</i>	T, W	Visitor	Central and North America	LC	-	#	-	-	Fernando Angulo <sup>#</sup>
<i>Burhinus superciliaris</i>	T	Resident	Pacific southeast America,	LC	*	-	-	-	Raúl Perez*
<i>Calidris melanotos</i>	M, W	Visitor	Europe, Asia and Oceania	LC	-	#	-	-	Fernando Angulo <sup>#</sup>

<i>Campylorhynchus fasciatus</i>	T	Resident	Ecuador, Peru	LC	*	-	-	-	Félix Ayala* ; Raúl Perez* Jhonson K. Vizcarra#/Torres-Mura et al. (2015)*; Augé (2016)*; Ballejo et al. (2021)*
<i>Cathartes aura</i>	T	Resident	South, Central and North America	LC	-	#	-	+	Jhonson K. Vizcarra#/Torres-Mura et al. (2015)*; Augé (2016)*; Ballejo et al. (2021)*
<i>Charadrius vociferus</i>	M, W	Resident	Central and North America, Perú, Ecuador, Colombia, Venezuela, Colombia, Ecuador,	LC	*	-	-	-	iNaturalist (Alexis Diaz)* ; Raúl Perez*
<i>Chroicocephalus serranus</i>	M, T, W	Resident	Perú, Bolivia, Chile, Argentina	LC	*	-	-	-	Jhonson K. Vizcarra*
<i>Cinclodes taczanowskii</i>	M	Resident	Peru	LC	*	-	-	-	Jhonson K. Vizcarra*
<i>Coereba flaveola</i>	T	Resident	South, Central and North America	LC	*	-	-	-	iNaturalist (Antonio W. Salas)*
<i>Coragyps atratus</i>	T	Resident	South, Central and North America	LC	*	#	-	+	Saori Grillo Yara* ; Willy Nizama#/Ballejo & Santis (2013)*; Ballejo et al. (2021)*; Borges et al. (2021)*;

									Richard et al. (2021) <sup>†</sup> ; Cunha et al. (2022) <sup>†</sup>
<i>Fulica ardesiaca</i>	W	Resident	Colombia, Ecuador, Peru, Bolivia, Chile, Argentina	LC	*	-	-	-	Jhonson K. Vizcarra <sup>*</sup>
<i>Gallinula galeata</i>	T, W	Resident	South, Central and North America	LC	-	-	\$	-	Gabriel Enrique de-la-Torre <sup>§</sup>
<i>Geospizopsis plebejus</i>	T	Resident	Ecuador, Perú, Bolivia, Chile, Argentina	LC	*	-	-	-	Félix Ayala <sup>*</sup>
<i>Haematopus palliatus</i>	M	Resident	South, Central and North America	LC	*	#	\$	+	Enver Ortiz <sup>*</sup> and Jhonson K. Vizcarra <sup>§</sup> /Thiel et al. (2011) <sup>#</sup> ; Heath et al. (2017) <sup>#</sup> ; Rossi et al. (2019) <sup>†</sup>
<i>Hydrobates hornbyi</i>	M	Resident	Pacific southeast	NT	-	-	-	+	Karla Alfaro Flores <sup>†</sup>
<i>Larosterna inca</i>	M	Resident	Colombia, Ecuador, Peru, Chile	NT	*	#	-	-	Lyanne Ampuero-Merino (Programa Punta San Juan) <sup>*</sup> /Thiel et al. (2018) <sup>#</sup>
<i>Larus belcheri</i>	M, T, W	Resident	Peru, Chile	LC	-	#	\$	-	Jhonson K. Vizcarra <sup>#</sup> , Juan Urquiaga <sup>§</sup> ;

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<i>Larus dominicanus</i>	M, T, W	Resident	Southern hemisphere	LC	*	#	\$	+	Shirley Freyre <sup>#</sup> /Thiel et al. (2018) <sup>#</sup> Marco Antonio Begazo Raa <sup>*</sup> , Doris Choquehuanca <sup>\$</sup> , Luz Gavancho <sup>\$</sup> ; Félix Ayala <sup>\$</sup> /Ryan (1987) <sup>+</sup> ; Ainley et al. (1990a) <sup>+</sup> ; Ryan (1990) <sup>+</sup> ; Slip et al. (1990) <sup>+</sup> ; Steele (1992) <sup>+</sup> ; Coulson and Coulson (1993) <sup>+</sup> ; Petracci et al. (2004) <sup>+</sup> ; Taylor (2004) <sup>#</sup> ; Ludynia et al. (2005) <sup>+</sup> ; Tourinho et al. (2010) <sup>+</sup> ; Thiel et al. (2011) <sup>#</sup> ; Lenzi et al. (2016) <sup>+</sup> ; Arce et al. (2014) <sup>*</sup> ; Tavares et al. (2017) <sup>+</sup> ; Witteveen et al. (2017) <sup>*</sup> ; Ryan (2018) <sup>#</sup> ; Yorio et al. (2020) <sup>+</sup> ; Pon et al. (2021) <sup>*</sup> ; Yorio et al. (2022) <sup>*</sup>
<i>Leucophaeus pipixcan</i>	M, T, W	Visitor	South, Central and	LC	-	#	-	-	Christian Quispe <sup>#</sup>

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<i>Myiozetetes similis</i>	T	Resident	North America South, Central and North America	LC	*	-	-	-	Macaulay library (Peter Colasanti)*
<i>Numenius phaeopus</i>	M, T, W	Visitor	On all continents except Antarctica	LC	-	#	-	+	Frank Suarez#/Camphuysen (1990)#; Ryan (2018)#; Zhu et al. (2019)+
<i>Nycticorax nycticorax</i>	M, W	Resident	On all continents except Oceania and Antarctica	LC	-	#	\$	+	Jhonson K. Vizcarra\$/Franson et al. (2003)+; Moore et al. (2009)#; Hong et al. (2013)#; Ryan (2018)#; Blettler & Mitchell (2021)#
<i>Paroaria coronata</i>	T	Resident	Argentina, Bolivia, Brazil, Paraguay, Uruguay	LC	-	-	\$	-	Shirley Freyre\$
<i>Pelecanus thagus</i>	M, W	Resident	Peru, Chile	NT	*	#	-	-	Programa Punta San Juan#/ Thiel et al. (2011)#; Arce et al. (2014)*; Ryan (2018)#
<i>Phalacrocorax bougainvillii</i>	M, W	Resident	Pacific southeast	NT	-	#	\$	-	Paulo Colchao\$, Programa Punta San Juan#/Simeone et al. (1999)#;



<i>Phalacrocorax brasilianus</i>	M, W	Resident	South, Central and North America	LC	*	#	\$	-	Jhonson K. Vizcarra*, Luz Gavancho*, Cristel Cordero- Maldonado*; Shirley Freyre#/Thiel et al. (2011)#; Arce et al. (2014)*; Ryan (2018)#; Blettler & Mitchell (2021)# <sup>5</sup> Nataly Hidalgo Aranzamendi*#, Juan Chalco*, Jhonson K. Vizcarra*, Frank Suarez*, Marco Antonio Begazo Raa*, Mauricio Ugarte*, Walter Wust*; Diego Nishiyama*/Simeone et al. (1999)#; García- Cegarra et al. (2020)*
<i>Phalacrocorax gaimardi</i>	M	Resident	Peru, Chile, Argentina	NT	*	#	-	-	Jhonson K. Vizcarra <sup>5</sup>
<i>Phalacrocorax gaimardi</i>	T	Resident	Ecuador, Peru, Bolivia, Chile, Argentina	LC	-	-	\$	-	Jhonson K. Vizcarra <sup>5</sup>
<i>Plegadis ridgwayi</i>	T, W	Resident	Ecuador, Peru, Bolivia, Chile, Argentina	LC	-	-	\$	-	Jhonson K. Vizcarra <sup>5</sup>

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<i>Pyrocephalus rubinus</i>	T	Resident	South and North America	LC	*	-	-	-	Jhonson K. Vizcarra*, Teresa de Jesus Avalo Vilchez*; Félix Ayala*
<i>Sicalis olivascens</i>	T	Resident	Peru, Bolivia, Chile, Argentina	LC	-	-	\$	-	Cesar Ortiz <sup>§</sup>
<i>Spheniscus humboldti</i>	M	Resident	Peru and Chile	VU	*	#	-	+	Programa Punta San Juan*, Francisco Caverro+, Marco Cardeña#; Circulo Estudiantil Veterinario de Fauna Silvestre+/Simeone et al. (1999)#; Arce et al. (2014)*
<i>Sternula lorata</i>	M	Resident	Pacific southeast	EN	-	-	\$	-	Jhonson K. Vizcarra <sup>§</sup>
<i>Thalassarche melanophrys</i>	M	Visitor	Southern hemisphere	LC	-	#	-	+	Jhonson K. Vizcarra#/Ryan (1987)+; Cooper (1995)+; Huin & Croxall (1996)+; Petry & Fonseca (2002)+; Colabuono & Vooren (2007)+; Petry et al. (2007)+; Barbieri (2009)+; Ceccarelli (2009)#; Colabuono et al. (2009)+; Colabuono et al.

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<i>Theristicus melanopis</i>	T, W	Resident	Peru, Chile, Argentina Mexico, Central America, Venezuela,	LC	-	#	-	-	(2010) <sup>+</sup> ; Mäder et al. (2010) <sup>+</sup> ; Phillips et al. (2010) <sup>+</sup> ; Tourinho et al. (2010) <sup>+</sup> ; Jimenez et al. (2015) <sup>+</sup> ; Ryan et al. (2016) <sup>+</sup> ; Tavares et al. (2017) <sup>+</sup> ; Ryan (2018) <sup>#</sup> ; Thiel et al. (2018) <sup>+</sup> ; Roman et al. (2019) <sup>+</sup>
<i>Thraupis episcopus</i>	T	Resident	Colombia, Guyana, Brazil, Ecuador, Peru Mexico, Central America, Venezuela,	LC	*	-	-	-	Macaulay library (Ken Simonite) <sup>*</sup> ; Félix Ayala <sup>*</sup>
<i>Todirostrum cinereum</i>	T	Resident	Colombia, Guyana, Brazil, Ecuador, Peru, Bolivia, Paraguay	LC	*	-	-	-	Félix Ayala <sup>*</sup>

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**Table. S3** Previous records of birds interacting with plastic waste in Peru. Symbols (-) mean that there are no studies or reports.

Locality	Species	Nest (*)	Entanglement (#)	Capture and Handling (\$)	Ingestion (+)	References
Tacna	<i>Phalcoboenus megalopterus</i>	*	-	-	-	Vizcarra (2011)*
Moquegua	<i>Larus dominicanus</i>	*	-	-	-	Sernanp (2016)*
Lima	<i>Haematopus palliatus</i>	*	-	-	-	Amaro & Goyoneche (2017)*; Arenas et al. (2021)*
Lima	<i>Mimus longicaudatus</i>	*	-	-	-	Amaro & Goyoneche (2017)*
Lima	<i>Pelecanus thagus</i>	-	#	-	-	Burga & Valencia (2021)#
Lambayeque, La Libertad, Lima, Ica, Moquegua	<i>Phalacrocorax bougainvillii</i>	-	-	-	+	Romero et al. (2018)+; Burga & Valencia (2021)+; Diaz-Santibañez et al. (2021)+
Lima	<i>Phalacrocorax brasiliensis</i>	-	-	-	+	Porras-Parra & Zavalaga (2022)+
La Libertad	<i>Larosterna inca</i>	-	#	-	-	Burga & Valencia (2021)#
Ica, edge of the current of Peru	<i>Hydrobates markhami</i>	-	-	-	+	Ainley et al. (1990)+; Garcia-Godos et al. (2002)+
Arequipa, Lima	<i>Phalacrocorax gaimardi</i>	*	-	\$	-	Allasi (2011)* <sup>§</sup> , Sernanp (2019)*, Burga & Valencia (2021)*

Arequipa	<i>Sicalis raimondii</i>	*	-	-	-	Ortiz (2017)*
La Libertad	<i>Ardenna grisea</i>	-	#	-	-	Chauca et al. (2021)#
Edge of the current of Peru	<i>Daption capense</i>	-	-	-	+	Ainley et al. (1990)+
Edge of the current of Peru	<i>Pachyptila belcheri</i>	-	-	-	+	Ainley et al. (1990)+
Edge of the current of Peru	<i>Procellaria aequinoctialis</i>	-	-	-	+	Ainley et al. (1990)+
Edge of the current of Peru	<i>Pterodroma cookii</i>	-	-	-	+	Ainley et al. (1990)+
Edge of the current of Peru	<i>Pterodroma externa</i>	-	-	-	+	Ainley et al. (1990)+
Edge of the current of Peru	<i>Pterodroma longirostris</i>	-	-	-	+	Ainley et al. (1990)+

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