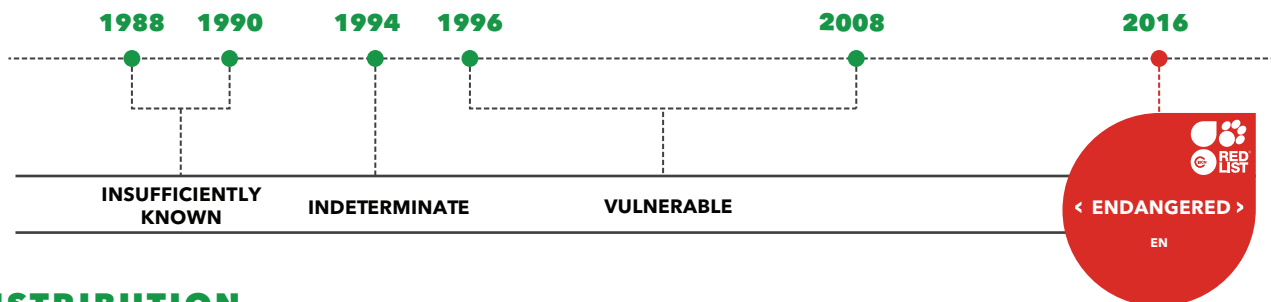


OWSTON'S CIVET

Chrotogale owstoni



DISTRIBUTION

Distributed in Lao PDR, Vietnam and a very small part of southern China (**Fig. 1**). Current status in China is unknown; thought to be "probably extinct". Potentially in north-eastern Cambodia but camera-trapping has not produced any records though the site has relatively good carnivore populations: Binturong, Hog Badger, and Clouded Leopard all recorded between 2014 and 2018.

Found from 100 to 2,600 m asl. Highest known record in Vietnam: 2,600 m asl (Van Ban, Hoang Lien Mts). In Lao PDR = 1600 m asl (Nam Et - Phou Louey).

Found in a variety of evergreen forest types (lowland, hill, montane, limestone, bamboo), all with non-harsh dry seasons.

Table 1. Confirmed records and non-detections from camera-trapping efforts undertaken since 2015 assessment.

Not included is a 2017 camera-trap record from Pu Hu NR, Thanh Hoa, Vietnam (Dong Le Khac et al. 2018). Four camera-traps produced a single record, as well as Asiatic Black Bear. Camera-trapping effort is unknown.

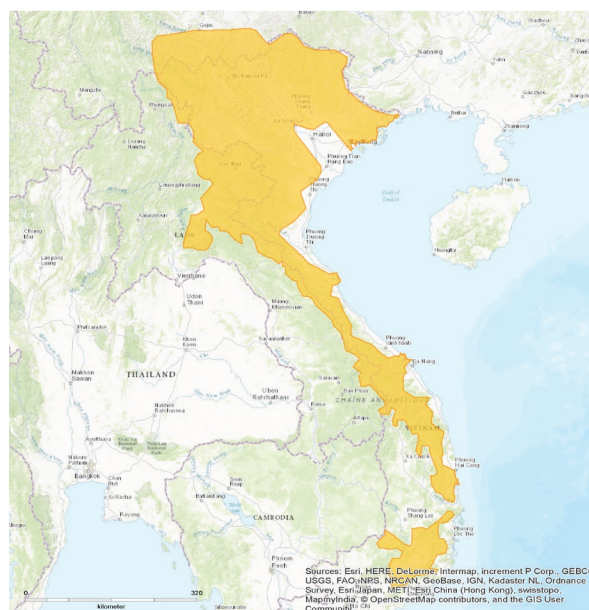


Fig. 1. Distribution map of Owston's Civet © IUCN 2019

THREATS

Victim of indiscriminate snaring for the illegal wildlife trade; species is not thought to be a target for the trade, but is part of general demand for e.g. wild meat (**Fig 2.**).

Snaring remains the most significant threat to this species and is the main reason for its decline (Timmins et al. 2016).

Demand for civet coffee, with industrial operations in Central Vietnam, may also pose a threat; at least three individuals are known to have gone through civet coffee facilities in Da Lat in 2018.

The pet trade/private wildlife zoos is another potential threat. Two individuals transferred from Saigon Zoo to Vinpearl's safari on Phu Quoc Island in 2018. Two males advertised online as pets for sale in 2018, confiscated and transferred to Cuc Phuong NP. One individual photographed in Zhanhuayen, Chengdu, China (well outside the native range) in February 2018 (**Fig 3.**).



Fig. 2. ©The Biodiversity Offset Management Committee of Bolikhamxay Province, Lao PDR, Nam Chouane-Nam Xang Biodiversity Offset Site, 2018.



Fig. 3. Captive Owston's Civet photographed in Zhanhuayen, Chengdu, China, 2018.

Table 1. MAJOR CAMERA-TRAPPING EFFORTS IN LAOS AND VIETNAM SINCE 2014.

¹ = unknown if single photograph or a notionally independent record | ² = 60 minutes between records at the same station | * = 30 minutes between records at the same station.

| SITE, COUNTRY | YEAR (s) | TARGET, HEIGHT | STATIONS / CAMERA-TRAP-NIGHTS / (DATES). | OWSTON'S CIVET RECORDS | SOURCE |
|-------------------------------------------|------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------|
| Ba Na Nui Chua NR, Vietnam | 2016, 2017 | Ground-dwelling mammals "especially small carnivores", 50 - 100 cm | 24 / 3,812 / (June 2016 - July 2017). | 6 stations / 8 records ¹ | Bui Van Tuan et al. in prep. |
| Bac Hai Van, T.T. Hue, Vietnam | 2018 | Ground-dwelling mammals and birds, ~30 cm | 27 / 3,106 / (Jan - April 2018). | None | Leibniz - IZW, WWF - Vietnam, Bac Hai Van, USAID |
| Bach Ma NP, Vietnam | 2014, 2015 | Ground-dwelling mammals and birds, ~30 cm | 53 / 6,805 / (Nov 2014 - Oct 2015). 64 / 5,933 / (Mar - May 2015). | None | Leibniz - IZW, WWF - Vietnam, Bach Ma NP |
| Bi Doup Nui Ba NP, Vietnam | 2016, 2017 | Large-antlered Muntjac, 20 - 30 cm | 14 / 648 / (Nov 2016 - Feb 2017) | 4 stations / 12 records ² | IZW - Leibniz, SIE, SWG |
| Hue and Quang Nam Saola NRs, Vietnam | 2015, 2016 | Ground-dwelling mammals and birds, ~30 cm | 46 / 5,933 / (July - Dec 2015). 64 / 7,979 / (Dec 2015 - Mar 2016). | None | Leibniz - IZW, WWF - Vietnam, Hue Saola NR, QN Saola NR |
| | 2016, 2017 | Saola, unknown | 166 / 12,305 / (Dec 2016 - June 2017). | None | WWF-Vietnam |
| | 2015, 2016, 2017 | Edwards's Pheasant, unknown. | 46 / 16,468 / (Jan - May 2018). In Hue SNR only. | 5 stations / 16 records ² | CRES |
| Mu Cang Chai and Muong La, Vietnam | 2014, 2015 | Mainland Clouded Leopard, unknown | 59 / 7,746 / (Jan 2014 - Jan 2015). | 22 stations / 122 records* | FFI Vietnam |
| Phong Dien NR, Vietnam | 2016 | Edwards's Pheasant, unknown | Unknown / "over 3,500" / (?) | One record | VietNature |
| | 2018 | Ground-dwelling mammals and bird, ~30 cm | 51 / 3,060 / (Jan - May 2018). | 6 stations / 11 records ² | Leibniz - IZW, WWF - Vietnam, Phong Dien NR, USAID |
| Pu Mat NP, Vietnam | 2017 | Unknown, 50 - 60 cm | 72 (?) / unknown / unknown | None | Pu Mat NP |
| | 2018 | Ground-dwelling mammals and birds, ~30 cm | 64 / 8,910 / (April - July 2018). | None | SVW, Leibniz - IZW, Pu Mat NP |
| | 2018 | Saola, unknown | 30 - 40 camera-traps / ? / (Jan - Dec 2018) | 12 camera-traps / 19 photographs ¹ | SWG, Vinh University, Pu Mat NP |
| Song Thanh NR, Vietnam | 2017 | Ground-dwelling mammals and birds, ~30 cm | 67 / 7,549 / (July - Dec 2017) | 1 station / 5 records ² | Leibniz - IZW, WWF - Vietnam, Song Thanh NR, USAID |
| Ban Pale, Xekong province, Lao PDR | 2018 | Saola | 125 / c.11,250 | Recorded | SWG, WWF, GoL |
| Khoun Xe - Nong Ma provincial PA, Lao PDR | 2017, 2018 | Ground-dwelling mammals and birds, good overlap with Owston's detectability | 80+ / c.16,000 | None | SWG, Lao WCA, ICBF, GoL |
| Khoun Xe - Nong Ma provincial PA, Lao PDR | 2018 | Saola | 125 / c.11,250 | None | SWG, Lao WCA, ICBF, GoL |
| Middle Nam Ngiap catchment, Lao PDR | 2015 | Ground-dwelling large mammals, variable | Being checked | Several stations | Nam Ngiap 1 Hydropower Company |
| Xe Sap NPA, Lao PDR | 2012, 2013 | Ungulates and ground-dwelling carnivores: 20 - 130 cm, 45 cm mean. | 39 / 4,630 / (Dec 2012 - Dec 2013) | 11 stations / 42 records* | Gray et al. 2014 |
| | 2016 | Ground-dwelling mammals and birds, ~30 cm | 40 / 6,684 / (July - Dec 2016) | One record ² | Leibniz - IZW, WWF - Laos, WWF - Vietnam |