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# Distribution of owls in Syria

# Adwan H. Shehab<sup>1,\*</sup> & David H. Johnson<sup>2</sup>



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ary poisoning by insecticides and rodenticides and habitat destruction. owl populations in Syria include trade for taxidermy or traditional use, second mapped based on recent observations and published records. Threats affecting Owl and Barn Owl were the most common owls. Owl distributions were brucei, Eurasian Scops Owl Otus scops and Long-eared Owl Asio otus). Little alba, Eagle Owl Bubo bubo, Tawny Owl Strix aluco, Striated Scops Owl Otus seven species of owl were observed (Little Owl Athene noctua, Barn Owl Tyto from 92 localities representing most of the habitats in Syria; during this work the distribution of small mammals in the country. Owl pellets were collected The distribution of owls in Syria was investigated during a larger project to plot

Strix aluco, Tyto alba, owls, distribution, cultural beliefs, Syria Key words: Asio otus, Athene noctua, Bubo bubo, Otus brucei, Otus scops

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## INTRODUCTION

A number of studies reporting on the owls of Syria have been published within the last three decades (e.g. Pradel 1981, Kock & Nader 1983, Nadachowski *et al.* 1990, Manners & Diekmann 1996, Kock 1998, Shehab *et al.* 1999, 2000, Hutterer & Kock 2002, Shehab 2005, Shehab & Charabi 2005, Shehab *et al.* 2006). Most of these publications were devoted mainly to the systematics, distribution or species diversity of small mammal prey taken by owls, or to determine the role of owls as biological control agents on rodent pests.

The Barn Owl Tyto alba is an ideal species to study the remains of mammalian prey in owl pellets (Raczynski & Ruprecht 1974, Andrews 1990), therefore, most of the previous literature focused on this species. Few studies have been conducted on Little Owl *Athene noctua* – despite its wide distribution – since its diet consists mainly of arthropods (Obuch & Krištín 2004, Shehab *et al.* 2004). Several papers mention the presence of the Eagle Owl *Bubo bubo* in Syria (Obuch 2001, Shehab 2004, Shehab & Mamkhair 2004, Benda *et al.* 2006, Shehab *et al.* 2007). Obuch (2001) and Benda *et al.* (2006) reported on the presence of Long-

> eared Owl Asio otus and Tawny Owl Strix aluco. Although Baumgart *et al.* (1995) mentioned the presence of ten owl species from Syria, including the first report of Eurasian Scops Owl Otus scops in the country, they unfortunately did not include detailed data supporting the presence of some owl species.

This study reports data on owl species recently observed in Syria and their distributions. It also highlights threats facing owls in the country and provides a foundation for national requirements on their conservation.

#### METHODS

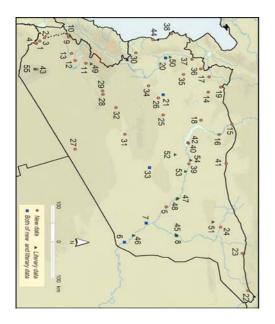
Fieldwork was undertaken from 1995 through 2007. During this period, the distribution of Syrian small mammals and the role of owls as biological control agents of pest species were determined. Thousands of owl pellets of several owl species were collected from 92 localities representing most Syrian habitats. The collected pellets varied in age, from fresh to very old. Many localities were visited more than once; fresh pellets were gathered at each visit, allowing an under-

standing of seasonal patterns of both rodents and owls. Owls were observed during daytime in historical buildings, ruins, caves, cliffs, cellars, traditional water wells and in trees. Additionally, animal markets and taxidermy shops were inspected for live or dead owls. Owls' feathers, droppings or pellets were helpful in identifying owls when they could not be observed directly. Literature data on owls in Syria were used in addition to our own data.

#### RESULTS

#### Little Owl

pellets from seven localities, and Benda et al. (2006) abandoned buildings, ruins, small halls or crevices in active at night, but it is commonly seen during daytime, species that is known to occur in SE Syria. It is mainly eastern treeless parts of Syria and it is the only owl rows and between rocks allows for this species to Appendix 1). The habit of the Little Owl to nest in burrecords in 55 locations throughout the country (Fig. 1, Euphrates River valley and the Syrian Desert. mentioned the Little Owl from four localities in the 1400 m. Additionally, Shehab et al. (2004) collected 11 localities in Syria Krištín (2004) collected pellets of the Little Owl from mountains or on the ground between rocks. on power lines, small hills or large rocks. It roosts in extend its distribution in most of the eastern and north The Little Owl is the most common owl in Syria, with at elevations between 190-Obuch &



**Figure 1.** Locations of Little Owl *Athene noctua* observed in Syria. Numbers refer to the Little Owl list in Appendix 1.

#### Barn Owl

was implemented in nearby agricultural areas after a rodent control campaign using zinc phosphide been found at roosts in Homs and Hama Governates owl) in a Damascus animal market. Dead owls have Several specimens were found for sale (US \$10-20 per Owl is suffering from illegal trade and persecution. 2006, Benda et al. 2006, Shehab et al. 2006). The Barn Shehab et al. 2004, Shehab & Charabi 2005, Shehab many other (Pradel 1981, Nadachowski et al. 1990), as well as Owl have been collected from Crak des Chevaliers age bins, cave entrances and trees. Pellets from Barn buildings, ruins, high cliffs, old water wells, grain storalong the Euphrates Valley. It roosts in abandoned desert conditions of the Syrian Badia. It is common has been observed, with the exception of the extreme 1) including most of the localities where the Little Owl records in 51 locations in the country (Fig. 2, Appendix The Barn Owl is common in all parts of Syria, with localities across Syria (Obuch 2001,

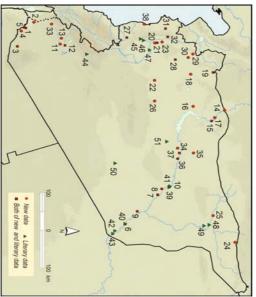
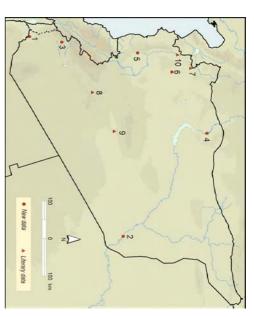


Figure 2. Locations of Barn Owl *Tyto alba* observed in Syria. Numbers refer to the Barn Owl list in Appendix 1.

#### Eagle Owl

The Eagle Owl is a relatively rare owl in Syria, with only 10 records known (Fig. 3, Appendix 1). It has been recorded from seven localities in the Mediterranean zone, and from three localities in the Syrian Desert. It usually roosts on high cliffs. One live young was captured at a high cliff in Al Yarmouk River Valley in May 2000, suggesting nesting in the area. Another juvenile was captured at Dana, northern Syria (Manners &



**Figure 3.** Locations of Eagle Owl *Bubo bubo* observed in Syria. Numbers refer to the Eagle Owl list in Appendix 1.

rior. Unfortunately, as they did not include precise coorand river valleys in steppe and desert areas of the intesubspecies (Bubo bubo ascalaphus) inhabited the heights Bubo bubo interpositus), and that a smaller and paler on the fringes of the Hermon massif, are inhabited by a the regular appearance of stuffed birds in shops indisecution because of local myths. Mummified specimens pellets at Al Qaryateine (Shehab 2004) suggests that the data in our records. dinates for these records, we were not able to include large dark subspecies (similar to Bubo bubo or mountains in western Syria, south at least to Burgush numbers and only locally. They also added that the cates the Eagle Owl was widespread – if only in low (1995) mentioned that reports from inhabitants and were observed in a shop at Musyaf. Baugmart et al. is suffering from the impact of illegal hunting and perthe Eagle Owl is a resident in that area. The Eagle Owl Diekmann 1996). The presence of a large number of

#### Tawny Owl

There are four records of this owl (Fig. 4, Appendix 1); the distribution seems to be restricted to the forests of the coastal region. The two reports about the presence of Tawny Owl from interior Syria (Baumgart *et al.* 1995) are questionable and additional verification is needed.

## Striated Scops Owl

The Striated Scops Owl is a rare species in Syria, with only three records from the country (Fig. 4, Appendix 1). Clarke (1924) reported breeding evidence at

> Aleppo. Baumgart *et al.* (1995) noted a single October sighting (23 October1986) from Tall Shekh Hamad at the Khabur. Evans (1994) reported the owl from Sabkhat al-Jabbul, Halab as a summer visitor and from the Euphrates valley as resident (based on unpublished data, compiled by Dr. I. Hanna for the 'Important Bird Areas in the Middle East' project); these are the only documented records for the species in Syria. Unfortunately, as no specific coordinates were given by Evans (1994) the records are not included in the distribution map of this species.

### Long-eared Owl

The Long-eared Owl is very rare in Syria, with only four records (Fig. 4, Appendix 1). One injured individual was observed in Damascus. The record of Long-eared owl from Dana village near Bab Al Hawa 40 km west of Halap (Manners & Diekmann 1996) was incorrect, the authors later re-identified that juvenile owl as an Eagle Owl (Guy Manners, pers. comm.).

## **Eurasian Scops Owl**

The single record of Eurasian Scops Owl is shown in Fig. 4. By investigating the refrigerators at the animal market in Damascus (7 July 2005), one frozen specimen was found being offered for sale. The owl in the photos was identified as Eurasian Scops Owl by Dr. Mike Evans (pers. comm.). This is the first documented record of the Eurasian Scops Owl from Syria. It is worth noting that Baumgart *et al.* (1995) mentioned that the

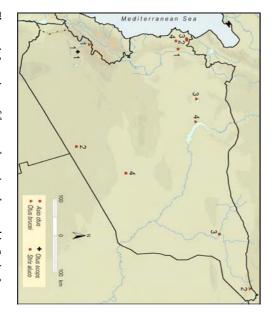


Figure 4. Locations of four owl species observed in Syria: Longeared Owl Asio otus, Eurasian Scops Owl Otus scops, Striated Scops Owl Otus brucei, and Tawny Owl Strix aluco. Numbers refer to the list in Appendix 1.

Spring passage migrants are recorded from the end of ing males at Halbun and Slenfe required clarification. the Damascus Ghouta). They also added that the callwere heard calling in the spring of 1978 and 1981 in those records are not included in the distribution map. precise coordinates for the locations, and therefore Unfortunately Baumgart et al. (1995) did not mention March (breeding report from 26 June 1980 at Qatana; several (coastal area around Ras el-Basit) and the southwest Scops Owl is found in Syria both in the northwest (29 March 1994, one at the Burgush).

### DISCUSSION

butleri and Asio otus. details supporting the presence of Asio flammeus, Strix owl species in Syria, they did not provide further Baumgart et al. (1995) mentioned the presence of ten Owl Bubo zeylonensis is extirpated or not. Although, determine whether an eighth species, the Brown Fish species. In addition to these seven owls, a survey may Syrian Arab Republic provides habitat for seven owl The large area and diversity of natural habitats of the

survey techniques should be conducted in the future, to al. 2006, 2007). An intensive study based on standard Shehab & Charabi 2005, Benda et al. 2006, Shehab et Shehab 2004, Shehab et al. 2004, 1999, 2000, Obuch 2001, Hutterer & Kock 2002, Nadachowski et al. 1990, Kock 1998, Shehab et al. tribution in Syria (Pradel 1981, Kock & Nader 1983, any other species – as it is regarded to have a wide distion have often relied on Barn Owl pellets - more than 2004, 2006, 2007). Investigations of mammal distribumapping animals' distributions based on recoveries arthropods preyed resolve the actual distribution of the owl species. documented for the first time (Shehab et al. 1999, from owl pellets comes to a fore when new species are information on the distribution of mammals, birds and The investigation of owl pellets offers important upon by owls. This technique of , Shehab 2005,

sirable screeching or visits at night to rural areas. Some sider owls as a symbol of pessimism due to their undelocal campaigns for rodent control. Many people consince many owls were found dead in their roosts after pesticides and rodenticides is suspected to be high, the species most observed in local markets, and suffers strategy to avoid their mystical harm. The Barn Owl is talons and then release the bird; this is thought to be a local people advise their children to cut off an owl's ing factors for the distribution of owls. The impact of Direct or indirect human activities are among limit-

> large size and unique appearance. the Eagle Owl is usually used in taxidermy due to its the impact of illegal trade for magical purposes, while

the field. In addition to this, a national program should raptors in agricultural areas by providing nest boxes in owls' reproduction. ensure safe nesting sites for owls and to encourage the myths. Conservation plans should be designed to role of owls in nature and to reduce the impact of local be implemented to raise the public awareness of the Dry Areas seeks to encourage the breeding of resident at the International Center for Agricultural Research in A pioneer project being conducted in northern Syria

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## SAMENVATTING

middelen te brouwen), vergiftiging door landbouwbestrijdings-middelen en habitatvernietiging. van de uilen zijn handel (om vogels op te zetten of om geneesvan de uilen in Syrië beschreven. De belangrijkste bedreigingen waarnemingen en gepubliceerd materiaal wordt de verspreiding waren de meest voorkomende soorten. Op grond van recente ooruil Otus scops en Ransuil Asio otus. De Steenuil en Kerkuil Bosuil Strix aluco, Gestreepte Dwergooruil Otus brucei, Dwerg-Steenuil Athene noctua, Kerkuil Tyto alba, Oehoe Bubo bubo, zameld. De plekken vormden samen een goede afspiegeling van de habitats in Syrië. Er werden zeven soorten uilen vastgesteld: onderzocht. Er werden op 92 plekken braakballen van uilen verkleine zoogdieren in Syrië werd tevens de verspreiding van uilen Tijdens een grootschalig onderzoek naar het voorkomen van

| Governate      | Locality   | Latitude  | Longitude | Data<br>type | No. on<br>map | Comments   |
|----------------|--|-----------|-----------|--------------|---------------|--|
| Lttle Owl      |  |           |           |              |               |  |
| Dar'aa         | Al-Mozirieb, 11 km NW Dar'aa                           | 32°41'34" | 36°02'28" | obs.         | 1             | several times in 2000, 2001, 2004-07, ads. standing on rocks or power lines  |
| Dar'aa         | Ayn Dakar, 40 km W Dar'aa                              | 32°51'37" | 35°54'10" | obs.         | 2             | 23 July 2000 & 28 August 2004, ads. standing on rocks  |
| Dar'aa         | Jel'een (Agr. Res. Station)                            | 32°45'32" | 35°58'55" | obs.         | 3             | 29 April 1998, ads. on rocks   |
| Dar'aa         | Khrab Al-Shaham, 10 km W Dar'aa                        | 32°39'38" | 36°01'45" | obs.         | 4             | 23 July 2000, photo, 1 couple was captured inside a burrow between rocks   |
| Deyr ez-Zur    | Ayn Abu Jum'aa, 13 km W Deyr ez-Zur                    | 35°25'50" | 40°01'36" | obs.         | 5             | 13 August 2006, 13 March 2007, 17 May 2007 and 13 November 2007, several ads. roosting in cliffs, 210–230 m a.s.l.                                 |
| Deyr ez-Zur    | Mari (Tel el-Hariri)                                   | 34°33'05" | 40°53'18" | obs.         | 6             | 22 May 2000 and 13 November 2007, 1 ad. roosting in the ruins  |
| Deyr ez-Zur    | Qala'at er-Rahba, 50 km E Deyr ez-Zur                  | 35°00'17" | 40°25'23" | obs.         | 7             | 13 March 2007 and 13 November 2007, several ads. in the castle, 241 m a.s.l.   |
| Deyr ez-Zur    | Tall Sheikh Hamad                                      | 35°39'01" | 40°44'01" | obs.         | 8             | 23 May 2000, ads. standing on rocks or on power lines  |
| Deyr ez-Zur    | As' Suwar  | 35°38'48" | 40°42'31" | lit.         | 45            | 280 m a.s.l., 18 April 2001, pellets from a settlement on the right shore of the Khabur<br>River, an abandoned building (Obuch & Krištín 2004)     |
| Deyr ez-Zur    | As' Salihiyyah (Dura Europus),<br>95 km SE Deyr ez-Zur | 34°44'58" | 40°43'42" | lit.         | 46            | 200 m a.s.l., 19 April 2001, pellets at rocks under a Roman fortress, above<br>Euphrates River (Obuch & Krištín 2004)                              |
| Deyr ez-Zur    | Halabiyyeh, S-bank Euphrates,<br>50 km W Deyr ez-Zur   | 35°41'25" | 39°49'13" | lit.         | 47            | 270 m a.s.l., 15 April 2001, pellets under walls of a fortress ancient ruins on the right shore of the Euphrates River (Obuch & Krištín 2004)      |
| Deyr ez-Zur    | Zalabiyeh, 5 km E Halabiyyeh                           | 35°40'07" | 39°50'31" | lit.         | 48            | 280 m a.s.l., 15 April 2001, pellets under walls of a Roman fortress ancient ruins on the left shore of the Euphrates River (Obuch & Krištín 2004) |
| Deyr ez-Zur    | Mari (Tel el-Hariri)                                   | 34°33'05" | 40°53'18" | lit.         | 6             | 190 m a.s.l., 18 June 1996, pellets at an archaeological excavation (Obuch & Krištín 2004)   |
| Deyr ez-Zur    | Qala'at er-Rahba, 50 km E Deyr ez-Zur                  | 35°00'17" | 40°25'23" | lit.         | 7             | 240 m a.s.l., 21 April 2001, pellets at rocks of the Arabian castle 1 km from a town (Obuch & Krištín 2004)  |
| Deyr ez-Zur    | Tall Sheikh Hamad                                      | 35°39'01" | 40°44'01" | lit.         | 8             | 280 m a.s.l., 19 20 June 1996 & 18 April 2001, pellets from archaeological excavations on the left bank of the River Khabur (Obuch & Krištín 2004) |
| Dimashk (Sham) | 2 km NE Arna (Hermon Mountain)                         | 33°22'17" | 35°53'02" | obs.         | 9             | 3 June 1998, 1 ad., pellets  |
| Dimashk (Sham) | 5 km W Arna (Hermon Mountain)                          | 33°21'44" | 35°50'13" | obs.         | 10            | 3 October 1998, 1 ad., pellets   |
| Dimashk (Sham) | Hele, 40 km N Damascus                                 | 33°44'16" | 36°31'28" | obs.         | 11            | 26 April 2004, 1 ad. and 7 chicks from a nest in a rocky area  |
| Dimashk (Sham) | Kharabow, 20 km E Damascus                             | 33°30'30" | 36°27'30" | obs.         | 12            | 25 June 2000, 19 April May 2007, ads. on trees and on buildings  |
| Dimashk (Sham) | Sbieneh, 8 km S Damascus                               | 33°26'01" | 36°17'03" | obs.         | 13            | Routinely seen during the period 1995-2007, active ads. during daytime   |
| Dimashk (Sham) | Maalula  | 33°51'31" | 36°32'32" | lit.         | 49            | a limestone canyon, 1 km S of town, stony semi-desert, 1400 m a.s.l., 30 April 2001, pellets (Obuch & Krištín 2004)                                |
| Halap          | Babennes (Agric. Res. Station)                         | 36°19'17" | 37°13'44" | obs.         | 14            | 5 July 2000, ads. on trees   |
| Halap          | Jarablus   | 36°49'17" | 38°00'11" | obs.         | 15            | 4 July 2000, ads. standing on rocks and on power lines along the street  |
| Halap          | Qala'at Nejm, 110 km NE Halap                          | 36°33'17" | 38°15'44" | obs.         | 16            | 4 July 2000, 1 ad. roosting in the ruins   |
| Halap          | Qala'at Sam'aan, 30 km W Halap                         | 36°20'30" | 36°51'23" | obs.         | 17            | 3 July 2000, 1 ad. standing on rocks   |
| Halap          | Qasr Sallum, 70 km E Halap                             | 36°10'03" | 37°54'49" | obs.         | 18            | 10 August 2006, 1 ad. roosting in the ruins, 390 m a.s.l.  |
|                |  |           |           |              |               |  |

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| Governate     | Locality  | Latitude  | Longitude | Data<br>type | No. on<br>map | Comments  |
|---------------|---|-----------|-----------|--------------|---------------|---|
| Lttle Owl cor | ntinued   |           |           |              |               |   |
| Halap         | Yahmool (Agric. Res. Station                            | 36°35'07" | 37°06'14" | obs.         | 19            | 3 July 2000 & 7 August 2004, ads. standing on rocks, power lines, buildings or on tree  |
| Hama          | Qala'at al-Madik, 55 km NW Hama                         | 35°25'06" | 36°23'40" | obs.         | 20            | 31 July 1998 and 5 August 2004, ads. standing on rocks at daytime   |
| Hama          | Qasr "Kasr" Ibn Wardan                                  | 35°21'54" | 37°17'32" | obs.         | 21            | 2 July 2000, ads. roosting in the ruins or standing on rocks near the ruins   |
| Hama          | Qala'at al-Madik, 55 km NW Hama                         | 35°25'06" | 36°23'40" | lit.         | 20            | pellets (Shehab et al. 2004)  |
| Hama          | Qasr Ibn Wardan   | 35°21'54" | 37°17'32" | lit.         | 21            | 2005, pellets from ruins of Byzantine church (Benda et al. 2006)  |
| Hama          | Shah`Ranar, 2 km NW al'Hamra                            | 35°31'14" | 36°22'33" | lit.         | 50            | pellets (Shehab et al. 2004).   |
| el-Haseke     | As' Salha, 4 km SW Al Malekiah                          | 37°09'44" | 42°04'19" | obs.         | 22            | 19 May 2002 and 12 July 2005, several ads. on rocks   |
| el-Haseke     | Heymu, (Agri. Res. Center),<br>5 km W el-Kamishli       | 37°02'31" | 41°09'45" | obs.         | 23            | 23 May 2000, ads. nesting inside unused power poles made of concrete laid on ground, also pellets , 6 July 2005, pellets , 6 July 2007, ads. standing on power line |
| el-Haseke     | Tall Baydar, 39 km NW el-Haseke                         | 36°34'59" | 40°31'30" | obs.         | 24            | 6 July 2005, 1 ad. standing on a hill at daytime  |
| el-Haseke     | Qal'aat Sukkara,<br>2 km SW Jebel Abdul Aziz            | 36°25'40" | 40°23'54" | lit.         | 51            | pellets (Huttere & Kock 2002, Shehab et al. 2004)   |
| Homs          | Asria   | 35°22'03" | 37°47'09" | obs.         | 25            | 21 May 2000 and 14 November 2007, several ads. standing on hills at the street's side also pellets from Asria ruins   |
| Homs          | As' Sa'an   | 35°15'51" | 37°22'14" | obs.         | 26            | 21 May 2000 and 14 November 2007, several ads. standing on hills at the street's side at midday   |
| Homs          | At -Tanf  | 33°30'28" | 38°37'12" | obs.         | 27            | June 2001, ads. standing on small hills at the street sides at midday   |
| Homs          | 15 km SE Karyatein (Al Qaryateine)                      | 34°05'53" | 37°17'02" | obs.         | 28            | 1 August 2001, several ads. on rocks  |
| Homs          | Mahassa (15 km SW Al Qaryateine)                        | 34°05'25" | 37°12'02" | obs.         | 29            | 15 December 2004, & photo, 1 ad. standing on the street in the early morning  |
| Homs          | 60 km W Qala'at al-Husun                                | 34°47'18" | 36°16'10" | obs          | 30            | 1997, 1998, 1999, 2000, 2001, 2004, 2005, 2006, active ads. each time while visiting this location  |
| Homs          | Qala'at Fakhraddin el-Mani,<br>3 km W Tadmur (=Palmyra) | 34°33'45" | 38°15'26" | obs.         | 31            | 15 August 2006, 1 ad., 560 m a.s.l.   |
| Homs          | Qasr al Heer "al Hayr" Al Gharbi                        | 34°22'27" | 37°36'21" | obs.         | 32            | 2 August 2001, 1 ad.  |
| Homs          | Qasr al Heer "al Hayr" Al Sharqi                        | 35°04'34" | 39°04'16" | obs.         | 33            | 2 August 2001, 1 ad.  |
| Homs          | Tall Senan  | 35°03'19" | 37°04'33" | obs.         | 34            | 21 May 2000, 1 ad. nesting in a rural house was shot by a farmer, several ads. were standing on hills by road edge, or perched on powerlines at midday              |
| Homs          | Qasr al Heer "al Hayr" Al Sharqi                        | 35°04'34" | 39°04'16" | lit.         | 33            | 280 m a.s.l., 21 April 2001, pellets from the ruins of the Arabian hunting-lodge in the desert, (Obuch & Krištín 2004).   |
| Idlib         | Ebla ruins (Tall Mardikh-Ebla),<br>26 km SE Idlib       | 35°47'54" | 36°47'52" | obs.         | 35            | 3 August 1998, 30 September 1998, 17 February 1998, 2 July 2000 and 5 August 2004, ads. roosting in the ruins, also pellets   |
| Idlib         | Kafer Darian ruins                                      | 36°09'49" | 36°39'49" | obs.         | 36            | April 1997 and 3 July 2000, ads. roosting in the ruins  |
| Idlib         | Khrab Sultan  | 35°58'36" | 36°25'40" | obs.         | 37            | 31 July 1998 and 28 September 1998, ads. on rocks at daytime  |
| el-Ladhikiye  | Booqa (Agric. Res. Center)                              | 35°32'13" | 35°48'19" | obs.         | 38            | 10 September 2004, 1 ad. in a tree  |
| ar-Raqqa      | Fekhaykha, 5 km SW ar-Raqqa                             | 35°54'46" | 38°58'47" | obs.         | 39            | 3 March 2007, 1 ad. roosting at the agricultural research center  |
| ar-Raqqa      | Qala'at Ja'abar, ar-Raqqa                               | 35°53'48" | 38°28'53" | obs.         | 40            | July 1998, 1 ad.  |
| ar-Raqqa      | Tall Abiad, 90 km N ar-Raqqa                            | 36°42'01" | 38°58'11" | obs.         | 41            | At the Syrian–Turkish border, 12 August 2006, 1 ad. standing on a small rock  |

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| Governate     | Locality   | Latitude  | Longitude | Data<br>type | No. on<br>map | Comments   |
|---------------|--|-----------|-----------|--------------|---------------|--|
| Lttle Owl cor | ntinued  |           |           |              |               |  |
| ar-Raqqa      | Tall Abu Huriera                                       | 35°51'26" | 38°29'04" | obs.         | 42            | 11 March 2001, 1 ad. also pellets from the ruins, near the guesthouse of Al Thawra Reserve   |
| ar-Raqqa      | Ar`Rasafeh   | 35°37'41" | 38°45'22" | lit.         | 52            | 310 m a.s.l., pellets (Shehab <i>et al.</i> 2004); 14 April 2001, pellets at ruins of a town (Obuch & Krištín 2004)  |
| ar-Raqqa      | El-Ukershe, 12 km SE ar'Raqqa                          | 35°50'49" | 39°09'53" | lit.         | 53            | Euphrates Valley; pellets (Shehab et al. 2004)   |
| ar-Raqqa      | Hirquleh, 5 km W ar-Raqqa                              | 35°57'31" | 38°53'31" | lit.         | 54            | pellets (Shehab et al. 2004)   |
| Suweida       | Ayn Arab (Agric. Res. Center)                          | 32°41'53" | 36°40'17" | obs.         | 43            | 27 April 1998, ads. on rocks   |
| Suweida       | 10 km E Rashid   | 32°40'01" | 36°40'01" | lit.         | 55            | 1000 m a.s.l., 26 April 2001, pellets in basaltic rocks in black desert (Obuch & Krištín 2004  |
| Tartus        | Qala'at al-Marqab, 45 km N Tartus,<br>(near Bāniyās)   | 35°09'03" | 35°56'58" | obs.         | 44            | 23 January 2006, 1 ad. roosting in the castle's cellar   |
| Barn Owl      |  |           |           |              |               |  |
| Dar'aa        | Al-Mozirieb, 11 km NW Dar'aa                           | 32°41'34" | 36°02'28" | obs.         | 1             | several times on 2000, 2001, 2004, 2005, 2006, 2007, ads. in a warehouse in Al-Mozirieb Cow farm, also pellets , each visit to this location   |
| Dar'aa        | Al-Mozirieb, 11 km NW Dar'aa                           | 32°41'34" | 36°02'28" | lit.         | 1             | 17 May 2000, pellets coll. from a warehouse in Al-Mozirieb Cow farm (Shehab 2005)  |
| Dar'aa        | Ayn Dakar, 40 km W Dar'aa                              | 32°51'37" | 35°54'10" | obs.         | 2             | 28 August 2004, 1 ad. roosting in the mosque minaret   |
| Dar'aa        | Bosra  | 32°31'04" | 36°28'52" | obs.         | 3             | 21 November 2006, pellets coll. at the northern side of the Roman amphitheater   |
| Dar'aa        | Bosra  | 32°31'04" | 36°28'52" | lit.         | 3             | 26 April 2001, pellets coll. from citadel ruins (Benda et al. 2006)  |
| Dar'aa        | Dar'aa Dam   | 32°35'48" | 36°06'45" | obs.         | 4             | 2 October 2004, 1 ad. roosting in a cliff and many pellets coll. under that roost  |
| Dar'aa        | Khrab Al-Shaham, 10 km W Dar'aa city                   | 32°39'38" | 36°01'45" | obs.         | 5             | 1998, 1 ad. roosting inside a historical collective grave excavated in the southern slopes of the valley; 23 July 2000, pellets coll. from a small cave in southern slopes near the village  |
| Dar'aa        | Khrab Sultan   | 35°58'36" | 36°25'40" | lit.         | 5             | 16 May 2000, 1 alive ad. and 1 dead, pellets coll. from a cave at the northern slope of Al Yarmouk river valley near the village (Shehab 2005)   |
| Deyr ez-Zur   | As' Salihiyyah (Dura Europus),<br>95 km SE Deyr ez-Zur | 34°44'58" | 40°43'42" | obs.         | 6             | 2001, 1 March 2004, 28 March 2006 and 12 November 2007, several ads. in the ruins also pellets coll. under the roosts  |
| Deyr ez-Zur   | As' Salihiyyah (Dura Europus),<br>95 km SE Deyr ez-Zur | 34°44'58" | 40°43'42" | lit.         | 6             | 17 May 1989, pellets coll. (Shehab <i>et al.</i> 2004); 19 June 1998 & 19April 2001, pellets coll from ruins of ancient Dura Europos (Benda <i>et al.</i> 2006); 10 March 2004, pellets coll.  |
| Deyr ez-Zur   | Ayn Abu Jum'aa, 13 km W Deyr ez-Zur                    | 35°25'50" | 40°01'36" | obs.         | 7             | (210-230m), 13 August 2006, 13 March 2007, 17 May 2007 and 13 November 2007, several inds. roosting in the cliffs, also pellets coll.  |
| Deyr ez-Zur   | Ayn Abu Jum'aa, 13 km W Deyr ez-Zur                    | 35°25'50" | 40°01'36" | lit.         | 7             | 13/14 August 2006, several ads. roosting in the cliffs, pellets (Shehab et al. 2007)   |
| Deyr ez-Zur   | El-Mesreb (el-Abhūl),<br>20 km NW Deyr ez-Zur          | 35°30'55" | 39°53'07" | obs.         | 8             | 28 March 2006, 13 August 2006 and 13 February 2007, 1 ad. roosting at el-Abhūl cave entrance, many pellets   |
| Deyr ez-Zur   | El-Mesreb (el-Abhūl),<br>20 km NW Deyr ez-Zur          | 35°30'55" | 39°53'07" | lit.         | 8             | 13 August 2006, pellets (Shehab et al. 2007)   |
| Deyr ez-Zur   | Qala'at er-Rahba, 50 km E Deyr ez-Zur                  | 35°00'17" | 40°25'23" | obs.         | 9             | (241 m), each time between 1997-12 February 2007, new pellets coll.  |
| Deyr ez-Zur   | Qala'at er-Rahba, 50 km E Deyr ez-Zur                  | 35°00'17" | 40°25'23" | lit.         | 9             | 11 March 1979, pellets coll. by R. Kinzelbach (Kock & Nader 1983, Shehab <i>et al.</i> 2004);<br>18 and 21 April 2001, pellets coll. from castle ruins (Benda <i>et al.</i> 2006); 22 May 2000,<br>pellets coll. (Shehab <i>et al.</i> 2007) |

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| Governate      | Locality  | Latitude  | Longitude | Data<br>type | No. on<br>map | Comments   |
|----------------|---|-----------|-----------|--------------|---------------|--|
| Barn Owl conti | nued  |           |           |              |               |  |
| Deyr ez-Zur    | Zalabiyeh   | 35°40'07" | 39°50'31" | obs.         | 10            | 15 March 2007, pellets coll. at base of cliffs under ancient ruins   |
| Deyr ez-Zur    | Zalabiyeh   | 35°40'07" | 39°50'31" | lit.         | 10            | 12 March 1980, pellets coll. by R. Kinzelbach (Kock & Nader 1983); 15 April 2001, pellets coll. at rocks under ancient ruins on the northern shore of the Euphrates River (Benda <i>et al.</i> 2006)                                     |
| Deyr ez-Zur    | Al Bas'ah   | 35°40'31" | 39°50'49" | lit.         | 39            | 22 June 1998, pellets coll. at rocks above the Euphrates (Benda et al. 2006)   |
| Deyr ez-Zur    | As' Salihiyyah valley,<br>2 km to NW Dura Europos | 34°45'32" | 40°43'11" | lit.         | 40            | 19 April 2001, pellets coll. (Benda <i>et al.</i> 2006)  |
| Deyr ez-Zur    | Halabiyyeh, S-bank Euphrates,<br>50 km W          | 35°41'25" | 39°49'13" | lit.         | 41            | 31 May 1989, pellets coll. by C. Ebenau, (Kock 1998, Huttere & Kock 2002, Shehab <i>et al.</i> 2004); 7 October 1995, 17 June 1998 and 15 April 2001, pellets coll. from ruins of ancient fortress town on the right shore of the Euphra |
| Deyr ez-Zur    | Mari (Tel el-Hariri)                              | 34°33'05" | 40°53'18" | lit.         | 42            | 18 June 1998 and 20 April 2001, pellets coll. at an archeological excavation area (Benda <i>et al.</i> 2006)   |
| Deyr ez-Zur    | Marshadeh   | 34°30'31" | 40°57'34" | lit.         | 43            | 20 April 2001, pellets coll. at rocks above the town (Benda et al. 2006)   |
| Dimashk (Sham) | Karahta (Agri. Ris. Station)                      | 33°24'33" | 36°25'33" | obs.         | 11            | 19 February 2007, pellets coll. under pine trees   |
| Dimashk (Sham) | Kharabow, 20 km E Damascus city center            | 33°30'30" | 36°27'30" | obs.         | 12            | 19 April May 2007, pellets coll. under palm trees  |
| Dimashk (Sham) | Kharabow, 20 km E Damascus city center            | 33°30'30" | 36°27'30" | lit.         | 12            | 25 June 2000, pellets coll. from the eastern side of the old building of the Agricultural Institute (Shehab 2005)  |
| Dimashk (Sham) | Sbieneh, 8 km S Dimashk                           | 33°26'01" | 36°17'03" | obs.         | 13            | every time during the period 1995-2007, ads. flying at night or vagrant adults at daytime or adults roosting in traditional water wells  |
| Dimashk (Sham) | Yabrud, 60 km N Dimashk                           | 33°58'01" | 36°40'01" | lit.         | 44            | 27 June 1998, pellets coll. (Obuch 2001)   |
| Halap          | Jarablus; at the Syrian-Turkish border            | 36°49'17" | 38°00'11" | obs.         | 14            | 4 July 2000, pellets coll.   |
| Halap          | Qala'at Nejm, 110 km NE Halap                     | 36°33'17" | 38°15'44" | obs.         | 15            | 4 July 2000, 1 ad. roosting in the ruins, 12 October 2004, pellets coll.   |
| Halap          | Qala'at Nejm, 110 km NE Halap                     | 36°33'17" | 38°15'44" | lit.         | 15            | 11 August 2006, pellets coll. (Shehab et al. 2007)   |
| Halap          | Qasr Sallum, 70 km E Halap                        | 36°10'03" | 37°54'49" | obs.         | 16            | (390 m), 10 August 2006, few pellets coll. inside the ruins  |
| Halap          | Tall al Amarneh, 110 km NE Halap                  | 36°37'01" | 38°11'01" | obs.         | 17            | 4 July 2005, photo, 2 ads and 3 juvs were roosting inside a deep hall excavated in the top of hill, also many pellets coll. at the base of the hall (6 m depth)  |
| Halap          | Tall Hadia, ICARDA, 30 km S Halap                 | 36°07'05" | 37°08'46" | obs.         | 18            | 6 July 2006, pellets coll. under a crevice and birds' boxes in the cliff near the maintenance garage of ICARDA   |
| Halap          | Yahmool (Agr. Res. Station)                       | 36°35'07" | 37°06'14" | obs.         | 19            | 14 March 2001, 7 August 2004 and 4 July 2005, pellets coll. under Italian cypress trees  |
| Halap          | Yahmool (Agr. Res. Station)                       | 36°35'07" | 37°06'14" | lit.         | 19            | 3 July 2000, pellets coll. under Italian cypress trees (Shehab & Al Charabi 2006)  |
| Hama           | As' Skailbiyeh, 50 km NW Hama                     | 35°22'12" | 36°23'58" | obs.         | 20            | 12 July 2000, 2 ads. & 4 chicks were captured by a student of Damascus University campir inside chemenae over the ceiling of As' Skailbiyeh secondary school, 8 August 2001, a lot of pellets coll.                                      |
| Hama           | Qala'at el-Madik, 55 km NW Hama                   | 35°25'06" | 36°23'40" | obs.         | 21            | 31 July 1998 and 5 August 2004, pellets coll.  |
| Hama           | Qala'at el-Madik, 55 km NW Hama                   | 35°25'06" | 36°23'40" | lit.         | 21            | pellets coll. (Shehab et al. 2004)   |
| Hama           | Qasr "Kasr" Ibn Wardan                            | 35°21'54" | 37°17'32" | obs.         | 22            | 2 July 2000, pellets coll.; Shah`Ranar, NW of al'Hamra [23], 8 August 2001 & 5 July 200 pellets coll. at base of high cliffs   |
| Hama           | Shah'Ranar, NW al'Hamra                           | 35°31'14" | 36°22'33" | obs.         | 23            | 8 August 2001 & 5 July 2004, pellets coll. at base of high cliffs  |

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| Governate    | Locality  | Latitude  | Longitude | Data<br>type | No. on<br>map | Comments  |
|--------------|---|-----------|-----------|--------------|---------------|---|
| Barn Owl cor | ntinued   |           |           |              |               |   |
| Hama         | Ez-Zawe – Musyāf, 50 km W Hama                                  | 35°04'55" | 36°18'11" | lit.         | 45            | 28 March 2001, pellets coll. (Shehab et al. 2007)   |
| Hama         | Mashta Deir Mama  | 35°08'33" | 36°20'12" | lit.         | 46            | 1 June 2001, pellets coll. at rocks, (Benda et al. 2006)  |
| Hama         | Qala'at Shaizar, 25 km NW Hama                                  | 35°16'03" | 36°34'01" | lit.         | 47            | 26 March 1980, pellets coll. between Shaizar and Mahardea by R. Kinzelbach (Kock and Nader 1983); 1 July 2001, pellets coll. (Benda <i>et al.</i> 2006)   |
| el-Haseke    | Heymu (Agri. Res. Center),<br>5 km W el-Kamishli                | 37°02'31" | 41°09'45" | obs.         | 24            | 12 July 2005, pellets coll. from a hayloft  |
| el-Haseke    | Tall Baydar, 39 km NW el-Haseke                                 | 36°34'59" | 40°31'30" | obs.         | 25            | 5 July 2005, pellets coll. at the base of an abandoned traditional water well   |
| el-Haseke    | Hassake city park   | 36°30'24" | 40°44'46" | lit.         | 48            | 20 June 1998, pellets coll. from park on the town edge (Benda et al. 2006)  |
| el-Haseke    | Tall al Budairi   | 36°24'01" | 40°46'01" | lit.         | 49            | 25 May 1989, pellets coll. from Tall Bderi, E- Banck Khabur by C. Ebenau, (Kock 1998,<br>Huttere & Kock 2002, Shehab <i>et al.</i> 2004)  |
| Homs         | Asria   | 35°22'03" | 37°47'09" | obs.         | 26            | 21 May 2000 & 11 March 2004, pellets coll. from Asria ruins   |
| Homs         | Qala'at al-Husun, 60 km W Homs                                  | 34°47'18" | 36°16'10" | obs.         | 27            | 1997, 1998, 1999, 2000, 2001, 2004, 2005, 2006, 1 ad., each time while visiting this location new accumulated pellets coll. under the northern tower and inside the castle                      |
| Homs         | Qala'at al-Husun, 60 km W Homs                                  | 34°47'18" | 36°16'10" | lit.         | 27            | 23 July 1977, pellets coll. by K. Kowalski <i>et al.</i> (Pradel 1981, Nadachowski <i>et al.</i> 1990, Shehab <i>et al.</i> 2004); 1 May 2001, pellets coll. (Obuch 2001); 8 July 2004, pellets |
| Homs         | Tadmur  | 34°33'22" | 39°16'27" | lit.         | 50            | 11 March 1979, pellets coll. by R. Kinzelbach (Kock & Nader 1983)   |
| Idlib        | Ebla ruins (Tall Mardikh-Ebla),<br>26 km SE Idlib               | 35°47'54" | 36°47'52" | obs.         | 28            | 3 August 1998, 30 September 1998, 17 February 1998, 2 July 2000 and 5 August 2004, 1 ad. roosting in the ruins, new pellets coll., also skeletons of dead owls were collected in 1998           |
| Idlib        | Ebla ruins (Tall Mardikh-Ebla),<br>26 km SE Idlib               | 35°47'54" | 36°47'52" | lit.         | 28            | 3 August 1998, 30 September 1998 and 17 December 1998, pellets coll. (Shehab et al. 1999  |
| Idlib        | Kafer Darian, ruins   | 36°09'49" | 36°39'49" | obs.         | 29            | April 1997 and 3 July 2000, several ads. & pellets coll. from abandoned historical water wells in the ruins, where many Roman wells are available   |
| Idlib        | Tall Sandal (Agr. Res. Station),<br>15 km N Idlib               | 36°03'54" | 36°44'48" | obs.         | 30            | 04 August 2006, pellets coll.   |
| el-Ladhikiye | Qala'at Salaheddin, 30 km E el-Ladhikiye                        | 35°35'40" | 36°03'19" | obs.         | 31            | 9 August 2001 & 8 September 2004, pellets coll. inside the castle and at the base of the eastern side of the castle   |
| el-Ladhikiye | Qala'at Salaheddin, 30 km E el-Ladhikiye                        | 35°35'40" | 36°03'19" | lit.         | 31            | 30 June 1998, pellets coll. (Obuch 2001)  |
| el-Ladhikiye | Jub el-Ghar   | 35°38'20" | 36°15'11" | obs.         | 32            | 19 July 2004, 1 ad. roosting temporarily inside a small cave  |
| el-Ladhikiye | Jub el-Ghar   | 35°38'20" | 36°15'11" | lit.         | 32            | 17 July 2004, pellets coll. from a cave 1 km E of Jub Al-Ghar Village (Shehab et al. 2006)  |
| Quneitra     | Quneitra, Nab'a al Fawar, Youth Camp,<br>47 km SW Damascus city | 33°13'40" | 35°56'51" | obs.         | 33            | 10 August 2007, 1 ad. flying over the camp  |
| ar-Raqqa     | Ar-Raqqa, 10 km S Euphrates                                     | 35°50'43" | 38°54'50" | obs.         | 34            | 13 October 2004, pellets coll.  |
| ar-Raqqa     | Beer Al Hashem, 30 km NW ar'Raqqa                               | 36°10'33" | 39°01'39" | obs.         | 35            | 7 September 2005 and 3 December 2007, 3 ad. roosting in air openings of cereals metallic cells, also pellets coll. under the roosts   |
| ar-Raqqa     | El-Ukershe, 12 km SE ar'Raqqa                                   | 35°50'49" | 39°09'53" | obs.         | 36            | 11 March 2004, pellets coll.  |
| ar-Raqqa     | El-Ukershe, 12 km SE ar'Raqqa                                   | 35°50'49" | 39°09'53" | lit.         | 36            | 20 March 1996, pellets coll. by C. Ebenau, (Kock 1998, Shehab et al. 2004)  |
| ar-Raqqa     | Qater Magara, 7 km S ar-Raqqa                                   | 35°52'54" | 39°01'41" | obs.         | 37            | 13 February 2007, pellets coll. at the cave's entrance  |

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| omplete.k<br>ete.bioon  | ar-Raqqa                                       | A            |
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| ourna<br>of-us  | Eagle Owl                                      |              |
| ls/A<br>e   | Dar'aa   | А            |
| nals/Ardea on 24 Apr 2024<br>Jse  | Deyr ez-Zur                                    | A<br>9       |
| ר 24 A  | Dimashk (Sham)                                 | K            |
| pr 20   | Dimashk (Sham)                                 | Q            |
| 24  | Halap  | D            |
|   |  |              |

| Governate       | Locality   | Latitude  | Longitude | Data<br>type | No. on<br>map | Comments   |
|-----------------|--|-----------|-----------|--------------|---------------|--|
| Barn Owl contin | nued   |           |           |              |               |  |
| ar-Raqqa        | Qater Magara, 7 km S ar-Raqqa                          | 35°52'54" | 39°01'41" | lit.         | 37            | 22 February 1993, pellets coll. by C. Ebenau, (Kock 1998); 19 March 1996 (Shehab <i>et al.</i> 2004)   |
| ar-Raqqa        | Ar`Rasafeh   | 35°37'41" | 38°45'22" | lit.         | 51            | (310 m a.s.l.), 28 March 1996, pellets coll. (Kock 1998, Shehab <i>et al.</i> 2004); 21 May 2000<br>22 July 2004 and 13 August 2006, pellets coll. from er-Russafa old water reservoirs,<br>(Shehab <i>et al.</i> 2007)  |
| Tartus          | Qala'at al-Marqab, (near Bāniyās),<br>45 km N Tartus   | 35°09'03" | 35°56'58" | obs.         | 38            | 09 August 2001 & 23 January 2006, pellets coll. from the castle's cellar.  |
| Eagle Owl       |  |           |           |              |               |  |
| Dar'aa          | Al Yarmouk Valley, 3 km SW Jel'een                     | 32°44'17" | 35°57'01" | obs.         | 1             | May 2000, 1 vagrant juvenile, captured on the northern cliffs  |
| Deyr ez-Zur     | As' Salihiyyah (Dura Europus),<br>95 km SE Deyr ez-Zur | 34°44'58" | 40°43'42" | obs.         | 2             | 2000, pellets coll.  |
| Dimashk (Sham)  | Katana, 20 km SW Damascus                              | 33°25'49" | 36°04'56" | obs.         | 3             | 20 June 2004, 1 ad., one mummified specimen presented by a farmer to an officer and later this specimen was sent to A. Shehab  |
| Dimashk (Sham)  | Qala'at Nejm, 100 km NE Halap                          | 36°33'17" | 38°15'44" | obs.         | 4             | 04 July 2000, pellets coll. from the northern side of the castle   |
| Halap           | Dana, 40 km W Halap                                    | 36°12'30" | 36°42'30" | lit.         | 7             | Spring 1995, 1 juvenile (owlet) collected by Osama Denny from Dana village, near Bab Al<br>Hawa, 40 km W Aleppo (Halap) on the Syria-Turkish border, (Manner & Diekmann 1996)<br>this owlet was initially (and incorrectly) identified as a juvenile Long-eared Owl <i>Asio otus</i><br>but later the authors re-identified it as Eurasian Eagle Owl <i>Bubo bubo</i><br>(G. Manners, pers. comm.) |
| Hama            | Musyāf, 40 km W Hama                                   | 35°03'48" | 36°20'22" | obs.         | 5             | 2001, one mummified specimen was presented in a grocery shop (the exact place of collection is not known, but this owl was shot in the village)  |
| Homs            | 15 km SE Karyatein (Al Qaryateine)                     | 34°05'53" | 37°17'02" | lit.         | 8             | August 2001, 1 ad. roosting in small to medium-sized caves in a mountainous cliffs at Dar Al Boom (15 km SE of Al Karyatein), also many pellets coll. (Shehab 2004)  |
| Homs            | Tadmur (Palmyra) 5 km W ruins                          | 34°34'01" | 38°13'01" | lit.         | 9             | 23 June 1998 and 24 April 2001, pellets coll. from rocks 5 km W of Tadmur ruins, (Benda <i>et al.</i> 2006)  |
| Idlib           | Ebla ruins (Tall Mardikh-Ebla),<br>26 km SE Idlib      | 35°47'54" | 36°47'52" | obs.         | 6             | 2000, 1 ad. shot by the ruins' ranger  |
| Idlib           | Hamama (near el-Menfa Cave),<br>35 km W Idlib          | 35°55'32" | 36°23'13" | lit.         | 10            | 18 July 2004, 1 ad. roosting at high cliffs in Orontes river valley, and later on, remains of the Egyptian fruit bat were recovered from the pellets (Shehab & Mamkhair 2004)  |
| Tawny Owl       |  |           |           |              |               |  |
| el-Ladhikiye    | Jub el-Ghar  | 35°38'20" | 36°15'11" | obs.         | 1             | 18 July 2004, 1 ad. roosting in mixed forests of the eastern side of the coastal mountains   |
| el-Ladhikiye    | Ar Rawda, near Rabi'ah                                 | 35°49'16" | 36°02'20" | lit.         | 2             | 2 July 1998 and 4 May 2001, pellets coll. from pine forest, 600 m a.s.l., (Benda et al. 2006   |
| el-Ladhikiye    | Rabi'ah, near Ar Rawda                                 | 35°49'10" | 36°00'02" | lit.         | 3             | 7 July 1998, pellets coll. (Obuch 2001)  |
| el-Ladhikiye    | Qala'at Salah ad Din,<br>30 km E el-Ladhikiye          | 35°35'40" | 36°03'19" | lit.         | 4             | 2 May 2001, pellets coll. from small cave in a gorge under castle ruins, 370 m a.s.l. (Benda <i>et al.</i> 2006)   |

| Striated Scops OwlDimashk (Sham)Sarghaya (Agric. Res. Station),<br>50 km NW Dimashk33°47'20"<br>36°08'36"36°08'36"el-HasekeAs' Salha, 4 km SW Al Malekiah37°09'44"<br>42°04'19"42°04'19"HalapSabkhat al-Jabbul/Halab36°03'46"<br>37°28'43"37°28'43"Long-eared OwlDimashk (Sham)Damascus<br>Basake city park33°32'24"<br>36°30'24"<br>40°44'46"HomsAt - Tanf, Ar Raa'ed Agri. Project33°30'28"<br>38°37'12"<br>Homs34°33'01"<br>39°16'01" | Governate      | Locality                           | Latitude  | Longitude |  |  |  |  |  |  |  |
|--|----------------|------------------------------------|-----------|-----------|--|--|--|--|--|--|--|
| 50 km NW Dimashkel-HasekeAs' Salha, 4 km SW Al Malekiah37°09'44"42°04'19"HalapSabkhat al-Jabbul/Halab36°03'46"37°28'43" <b>Long-eared Owl</b> Dimashk (Sham)Damascus33°32'24"36°19'07"el-HasekeHassake city park36°30'24"40°44'46"HomsAt - Tanf, Ar Raa'ed Agri. Project33°30'28"38°37'12"   | Striated Scops | Owl                                |           |           |  |  |  |  |  |  |  |
| HalapSabkhat al-Jabbul/Halab36°03'46"37°28'43"Long-eared OwlDimashk (Sham)Damascus33°32'24"36°19'07"el-HasekeHassake city park36°30'24"40°44'46"HomsAt - Tanf, Ar Raa'ed Agri. Project33°30'28"38°37'12"   | Dimashk (Sham) |                                    | 33°47'20" | 36°08'36" |  |  |  |  |  |  |  |
| Long-eared OwlDimashk (Sham)Damascus33°32'24"36°19'07"el-HasekeHassake city park36°30'24"40°44'46"HomsAt - Tanf, Ar Raa'ed Agri. Project33°30'28"38°37'12"   | el-Haseke      | As' Salha, 4 km SW Al Malekiah     | 37°09'44" | 42°04'19" |  |  |  |  |  |  |  |
| Dimashk (Sham)         Damascus         33°32'24"         36°19'07"           el-Haseke         Hassake city park         36°30'24"         40°44'46"           Homs         At - Tanf, Ar Raa'ed Agri. Project         33°30'28"         38°37'12"  | Halap          | Sabkhat al-Jabbul/Halab            | 36°03'46" | 37°28'43" |  |  |  |  |  |  |  |
| el-HasekeHassake city park36°30'24"40°44'46"HomsAt - Tanf, Ar Raa'ed Agri. Project33°30'28"38°37'12"   | Long-eared Owl |                                    |           |           |  |  |  |  |  |  |  |
| Homs At - Tanf, Ar Raa'ed Agri. Project 33°30'28" 38°37'12"  | Dimashk (Sham) | Damascus                           | 33°32'24" | 36°19'07" |  |  |  |  |  |  |  |
|  | el-Haseke      | Hassake city park                  | 36°30'24" | 40°44'46" |  |  |  |  |  |  |  |
| Homs Tadmur (Palmyra) oasis 34°33'01" 39°16'01"  | Homs           | At - Tanf, Ar Raa'ed Agri. Project | 33°30'28" | 38°37'12" |  |  |  |  |  |  |  |
|  | Homs           | Tadmur (Palmyra) oasis             | 34°33'01" | 39°16'01" |  |  |  |  |  |  |  |
|  | Eurasian Scop  | Qui                                |           |           |  |  |  |  |  |  |  |

| Benda <i>et al.</i> 2006)              | -      | _ |
|--|--------|---|
| 7 July 2005 (A. Shehab) 1 ind. coll. 8 | photos |   |

20 June 1998, pellets coll. from park on the town edge, (Benda et al. 2006)

23 June 1998, 23 April 2001 and 15 September 2005, pellets coll. (Obuch 2001;

2 January 2001, 24 July 2001, 15 June 2004 and May 2007, ads. on pine trees,

June 2002 and in July 2005, several ads. roosting in a small bushy area around a

and new pellets of this species were collected under pine trees

August 1999, 1 injured ad. found at the Faculty of Agriculture

No. on

map

1

2

3

1

3

2

4

1

Comments

natural spring

no specific date (Evans 1994)

August 2000, 1 ad. (A. Shehab)



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