**Status of vertebrate species in Danial cave, northern Iran**

Pouria Ghelich khani, Ali T. Qashqaei and Heidi Kolkert

Supplementary Table 1 Abundance of vertebrate species in each season during 2013–2020.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **English** | **Scientific** | **Year** | **Season** | **Abundance** |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2013 | Winter | NA |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2013 | Spring | NA |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2013 | Summer | 200-300 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2013 | Autumn | 300 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2014 | winter | 9 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2014 | Spring | 4 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2014 | Summer | 10 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2014 | Autumn | 1 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2015 | winter | 7 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2015 | Spring | 6 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2015 | Summer | 12 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2015 | Autumn | 8 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2016 | winter | 1 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2016 | Spring | 2 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2016 | Summer | 13 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2016 | Autumn | 5 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2017 | winter | 1 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2017 | Spring | 2 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2017 | Summer | 11 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2017 | Autumn | 4 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2018 | winter | 8 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2018 | Spring | 3 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2018 | Summer | 2 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2018 | Autumn | 1 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2019 | winter | 2 |
| Greater horseshoe bat | *Rhinolophus ferrumequinum* | 2019 | Spring | 2 |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2013 | Winter | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2013 | Spring | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2013 | Summer | 2 |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2013 | Autumn | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2014 | winter | 2 |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2014 | Spring | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2014 | Summer | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2014 | Autumn | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2015 | winter | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2015 | Spring | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2015 | Summer | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2015 | Autumn | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2016 | winter | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2016 | Spring | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2016 | Summer | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2016 | Autumn | 1 |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2017 | winter | 1 |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2017 | Spring | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2017 | Summer | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2017 | Autumn | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2018 | winter | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2018 | Spring | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2018 | Summer | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2018 | Autumn | NA |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2019 | winter | 1 |
| Blasius's horseshoe bat | *Rhinolophus blasii* | 2019 | Spring | 1 |
| Blyth's Myotis | *Myotis blythii* | 2013 | Winter | NA |
| Blyth's Myotis | *Myotis blythii* | 2013 | Spring | NA |
| Blyth's Myotis | *Myotis blythii* | 2013 | Summer | 2 |
| Blyth's Myotis | *Myotis blythii* | 2013 | Autumn | NA |
| Blyth's Myotis | *Myotis blythii* | 2014 | winter | 3 |
| Blyth's Myotis | *Myotis blythii* | 2014 | Spring | NA |
| Blyth's Myotis | *Myotis blythii* | 2014 | Summer | NA |
| Blyth's Myotis | *Myotis blythii* | 2014 | Autumn | NA |
| Blyth's Myotis | *Myotis blythii* | 2015 | winter | NA |
| Blyth's Myotis | *Myotis blythii* | 2015 | Spring | NA |
| Blyth's Myotis | *Myotis blythii* | 2015 | Summer | 1 |
| Blyth's Myotis | *Myotis blythii* | 2015 | Autumn | NA |
| Blyth's Myotis | *Myotis blythii* | 2016 | winter | 1 |
| Blyth's Myotis | *Myotis blythii* | 2016 | Spring | NA |
| Blyth's Myotis | *Myotis blythii* | 2016 | Summer | 1 |
| Blyth's Myotis | *Myotis blythii* | 2016 | Autumn | 1 |
| Blyth's Myotis | *Myotis blythii* | 2017 | winter | 1 |
| Blyth's Myotis | *Myotis blythii* | 2017 | Spring | NA |
| Blyth's Myotis | *Myotis blythii* | 2017 | Summer | NA |
| Blyth's Myotis | *Myotis blythii* | 2017 | Autumn | NA |
| Blyth's Myotis | *Myotis blythii* | 2018 | winter | NA |
| Blyth's Myotis | *Myotis blythii* | 2018 | Spring | NA |
| Blyth's Myotis | *Myotis blythii* | 2018 | Summer | NA |
| Blyth's Myotis | *Myotis blythii* | 2018 | Autumn | NA |
| Blyth's Myotis | *Myotis blythii* | 2019 | winter | 1 |
| Blyth's Myotis | *Myotis blythii* | 2019 | Spring | NA |
| Blyth's Myotis | *Myotis blythii* | 2020 | Spring | 500 |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2013 | Winter | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2013 | Spring | 2 |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2013 | Summer | 1 |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2013 | Autumn | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2014 | winter | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2014 | Spring | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2014 | Summer | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2014 | Autumn | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2015 | winter | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2015 | Spring | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2015 | Summer | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2015 | Autumn | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2016 | winter | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2016 | Spring | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2016 | Summer | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2016 | Autumn | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2017 | winter | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2017 | Spring | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2017 | Summer | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2017 | Autumn | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2018 | winter | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2018 | Spring | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2018 | Summer | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2018 | Autumn | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2019 | winter | NA |
| Hyrcanian field mouse | *Apodemus hyrcanicus* | 2019 | Spring | NA |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2013 | Winter | NA |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2013 | Spring | NA |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2013 | Summer | 2 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2013 | Autumn | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2014 | winter | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2014 | Spring | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2014 | Summer | 2 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2014 | Autumn | 2 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2015 | winter | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2015 | Spring | 3 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2015 | Summer | 3 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2015 | Autumn | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2016 | winter | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2016 | Spring | 2 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2016 | Summer | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2016 | Autumn | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2017 | winter | 2 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2017 | Spring | 3 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2017 | Summer | 2 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2017 | Autumn | NA |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2018 | winter | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2018 | Spring | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2018 | Summer | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2018 | Autumn | 2 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2019 | winter | 1 |
| Hyrcanian wood frog | *Rana pseudodalmatina* | 2019 | Spring | 2 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2013 | Winter | NA |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2013 | Spring | NA |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2013 | Summer | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2013 | Autumn | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2014 | winter | 2 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2014 | Spring | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2014 | Summer | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2014 | Autumn | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2015 | winter | 2 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2015 | Spring | 2 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2015 | Summer | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2015 | Autumn | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2016 | winter | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2016 | Spring | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2016 | Summer | 2 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2016 | Autumn | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2017 | winter | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2017 | Spring | 2 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2017 | Summer | 2 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2017 | Autumn | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2018 | winter | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2018 | Spring | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2018 | Summer | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2018 | Autumn | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2019 | winter | 1 |
| Eurasian marsh frog | *Pelophylax ridibundus* | 2019 | Spring | 1 |