

| | | | | | | |
|-----------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Russian Federation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Syrian Arab Republic | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Turkey | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ukraine | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Serbia and Montenegro | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Native - Presence Confirmed Native - Presence Possible Extinct Reintroduced Introduced

FAO Marine Habitats

Major Lakes

Major Rivers

Upper Level Habitat Preferences

Score

| | |
|--|---|
| 1.4 Forest - Temperate | 1 |
| 3.4 Shrubland - Temperate | 1 |
| 3.8 Shrubland - Mediterranean-type Shrubby Vegetation | 1 |
| 4.4 Grassland - Temperate | 1 |
| 5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls) | 2 |
| 5.2 Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks | 1 |
| 5.5 Wetlands (inland) - Permanent Freshwater Lakes (over 8ha) | 2 |
| 5.7 Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha) | 1 |
| 5.8 Wetlands (inland) - Seasonal/Intermittent Freshwater Marshes/Pools (under 8ha) | 1 |
| 8.2 Desert - Temperate | 1 |
| 8.4 Desert - Semi-Desert (no trees present) | 1 |
| 11.1 Artificial/Terrestrial - Arable Land | 2 |
| 11.2 Artificial/Terrestrial - Pastureland | 1 |
| 11.5 Artificial/Terrestrial - Urban Areas | 2 |
| 12.2 Artificial/Aquatic - Ponds (below 8ha) | 1 |

Lower Level Habitat Preferences

Score

| | |
|--------------------------|---|
| Bare Desert | 1 |
| Cool Grasses and Shrubs | 1 |
| Fields and Woody Savanna | 1 |
| Grass Crops | 1 |
| Low Sparse Grassland | 1 |
| Savanna (Woods) | 1 |
| Semi Desert Shrubs | 1 |
| Urban | 1 |
| Woody Savanna | 1 |

Major threats

| Code | Description of threat | Past | Present | Future |
|---------|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 | Habitat Loss/Degradation (human induced) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1 | Agriculture | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.1 | Crops | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.1.2 | Small-holder farming | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.1.1.3 | Agro-industry farming | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4 | Infrastructure development | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.1 | Industry | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.2 | Human settlement | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.4.3 | Tourism/recreation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6 | Pollution (affecting habitat and/or species) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.3 | Water pollution | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.3.1 | Agriculture | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.3.2 | Domestic | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6.3.3 | Commercial/Industrial | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7 | Natural disasters | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7.1 | Drought | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 | Intrinsic factors | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9.8 | Population fluctuations | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Conservation Measures

| Code | Conservation measures | In place | Needed |
|---------|---------------------------------------|-------------------------------------|-------------------------------------|
| 1 | Policy-based actions | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1.2 | Legislation | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.2.1 | Development | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.2.1.1 | International level | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.2.1.2 | National level | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.2.2 | Implementation | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.2.2.1 | International level | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1.2.2.2 | National level | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 | Communication and Education | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2.2 | Awareness | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | Research actions | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.2 | Population numbers and range | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.3 | Biology and Ecology | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.4 | Habitat status | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.5 | Threats | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.8 | Conservation measures | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3.9 | Trends/Monitoring | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4 | Habitat and site-based actions | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4.1 | Maintenance/Conservation | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4.2 | Restoration | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4.4 | Protected areas | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4.4.1 | Identification of new protected areas | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4.4.2 | Establishment | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| | | | |
|-------|---|-------------------------------------|-------------------------------------|
| 4.4.3 | Management | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5 | Species-based actions | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5.1 | Re-introductions | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5.7 | Ex situ conservation actions | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5.7.1 | Captive breeding/Artificial propagation | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Utilisation of Species

| Purpose/Type of Use | Subsistence | National | International | Other purpose: | |
|--|-------------|----------|---------------|----------------|---|
| Primary forms removed from the wild | 100% | >75% | 51-75% | 26-50% <25% | <i>Other forms removed from the wild:</i> |
| Source of specimens in commercial trade | 100% | >75% | 51-75% | 26-50% <25% | <i>Other source of specimens:</i> |
| Trend in wild offtake/harvest in relation to total wild population numbers over last five years: | | | | | |
| Trend in offtake/harvest produced through domestication/cultivation over last five years: | | | | | |
| CITES: Not listed | | | | | |

Red Listing

Red List Assessment: Least Concern (LC) Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: Listed as Least Concern in view of its wide distribution, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category.

Current Population Trend: Decreasing **Date of Assessment:** 12/17/2004

Assessor(s): Sergius Kuzmin, David Tarkhnishvili, Vladimir Ishchenko, Natalia Ananjeva, Nikolai Orlov, Boris Tuniyev, Theodore Papenfuss, G

Notes on Red listing: Populations in the extreme south of its range in Israel might be threatened.

Bibliography

- , 1995, , Amphibian Populations in the Commonwealth of Independent States: Current Status and Declines, Kuzmin, S.L. Dodd Jr, C.K. and Pikulik, M.M., , Pensoft, Moscow
- Arnold, E.N., 2003, , Reptiles and amphibians of Europe, , 288, Princeton University Press,
- Tarkhnishvili, D.N. and Gokhelasvili, R.K., 1999, The amphibians of the Caucasus, Advances in Amphibian Research in the Former Soviet Union, , 4, 1-229, ,
- Kuzmin, S.L., 1995, , Die Amphibien Russlands und Angrenzender Gebiete, , , Westarp – Spektrum, Magdeburg - Heidelberg
- Disi, A.M., Modrý, P. Nečas and Rifai, L., 2001, , Amphibians and reptiles of the Hashemite Kingdom of Jordan, , 408pp, Edition Chimaira, Frankfurt
- Mendelsshon, H. and Steinitz, H., 1944, Contributions to the ecological zoogeography of the amphibians in Palestine, Rev. Fac. Sci. Univ. Istanbul. Serie B., , 9(4), 289-298, ,
- Degani, G., 1986, Growth and behavior of six species of amphibian larvae in winter ponds in Israel, Hydrobiologia, , , 140, 5-10, ,
- Kuzmin, S.L., 1999, , The Amphibians of the Former Soviet Union, , , Pensoft, Sofia-Moscow
- Uğurtaş, İ.H., 2001, Variation in Pelobates syriacus of Turkey, Asiatic Herpetological Research, , , 9, 139-141, ,
- Kalezic, M. and Dzukic, G., 2001, Amphibian status in Serbia and Montenegro (FR Yugoslavia), FrogLog, , , 45, , ,
- Baloutchi, M. and Kami, H.G., 1995, , Amphibians of Iran, , , Tehran University Publications, Tehran
- Disi, A.M., 2002, , Jordan Country Study on Biological Diversity: The Herpetofauna of Jordan, , , 288p, , Amman
- Kuzmin, S.L., 1996, Threatened amphibians in the former Soviet Union: the current situation and the main threats, Oryx, , , 30, 24-30, ,
- , 1997, , Atlas of Amphibians and Reptiles in Europe, Gasc, J.-P., , 494, Societas Europea Herpetologica & Museum National d'Histoire Naturelle, Paris
- Serbinova, I.A., Shubray, O.I., Uteshev, V.K., Agasian, A.L. and Goncharov, B.F., 1990, Keeping, breeding in captivity and establishment of new natural populations of Pelobates syriacus, Zookultura Amfibii, , , 82-89, , Moscow
- Sidorovska, V., Ljubisavljevic, K., Dzukic, G. and Kalezic, M.L., 2002, Tadpole morphology of two spadefoot toads (Pelobates fuscus and P. syriacus) (Amphibia, Anura, Pelobatidae), Spixiana, , , 25, 183-191, ,
- Degani, G. and Kaplan, D., 1999, Distribution of amphibian larvae in Israeli habitats with changeable water availability, Hydrobiologia, , , 405, 49-56, ,
- Baran, I. and Atatür, M.K., 1998, , Turkish herpetofauna (amphibians and reptiles), , , 214 pp, Republic of Turkey Ministry of Environment, Ankara
- Demirsoy, A., 1996, , Tükiye Omurgalilari, Sürüngenler, , , 205 pp, Meteksen, Ankara
- Uğurtaş, İ.H., Ljubisavljevic, K., Sidorovska, V., Kalezic, M.L. and Dzukic, G., 2002, Morphological differentiation of eastern spadefoot toad (Pelobates syriacus) populations, Israel Journal of Zoology, , , 48, 13-32, ,
- Degani, G., 1982, Amphibian tadpole interaction in a winter pond, Hydrobiologia, , , 96, 3-7, ,
- Gafny, S., 1986, , The biology and ecology of the Syrian spadefoot toad Pelobates syriacus syriacus in Israel, , , 164pp, MSc. Thesis, Tel-Aviv University,
- Alon, A., 1984, Vol. 5: Reptiles and Amphibians, , Plants and Animals of the Land of Israel, , , 244, Tel Aviv,
- Deagni, G. and Mendelsohn, H., 1990, , Plants and animals of the Land of Israel, second edition, Volume 5, Arbel, A., , pp.190-221, The Publication House Society for Protection of Nature, Israel,
- Bannikov, A.G., Darevsky, I.S., Ishchenko, V.G., Rustamov, A.K. and Szczerbak, N.N., 1977, , Opredeletel Zemnovodnykh i Presmykayushchikhnya Fauny SSSR [Guide to Amphibians and Reptiles of the USSR Fauna], , , Prosvechshenie, Moscow

Gafny, S., 2004, Threatened amphibians of Israel, , The Red book of Vertebrates in Israel, Dolev, A. and Perevolotsky, A., , Israel Nature and National Parks Protection Authority and Society for Protection of Nature in Israel Press, Jerusalem

Tarkhnishvili, D., Kandaurov, A. and Bukhinishvili, A., 2002, Declines of amphibians and reptiles in Georgia during the 20th century: virtual vs. actual problems, Zeitschrift für Feldherpetologie, , 9, 89-107, ,

Hraoui-Bloquet, S., Sadek, R. and Geze, R., 2001, Les Amphibiens du Liban: inventaire, répartition géographique et altitudinale., Bull. Soc. Herp. Fr., , 99, 19-28, ,

Tron, F., 2005, , , Second Discoglossus nigriventer rediscovery expedition in the central Bekaa Valley, Lebanon: 17-28 April 2005 Expedition Report, , , A Rocha,