

Switzerland	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ukraine	<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

Lower Level Habitat Preferences

Score

1.1 Forest - Boreal	1	Broadleaf Forest	1
1.2 Forest - Subarctic	1	Cold Grassland	2
1.4 Forest - Temperate	1	Conifer Boreal Forest	1
3.1 Shrubland - Subarctic	2	Conifer Forest	1
3.3 Shrubland - Boreal	1	Cool Broadleaf Forest	1
3.4 Shrubland - Temperate	1	Cool Conifer Forest	1
4.1 Grassland - Tundra	2	Cool Crops and Towns	2
4.2 Grassland - Subarctic	2	Cool Fields and Woods	2
4.4 Grassland - Temperate	1	Cool Grasses and Shrubs	2
5.1 Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	1	Cool Irrigated Cropland	2
5.2 Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	1	Cool Mixed Forest	1
5.4 Wetlands (inland) - Bogs, Marshes, Swamps, Fens, Peatlands	1	Deciduous Broadleaf Wood	1
5.5 Wetlands (inland) - Permanent Freshwater Lakes (over 8ha)	1	Deciduous Coniferous Forest	1
5.6 Wetlands (inland) - Seasonal/Intermittent Freshwater Lakes (over 8ha)	1	Dry Woody Scrub	1
5.7 Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha)	1	Fields and Woody Savanna	2
5.8 Wetlands (inland) - Seasonal/Intermittent Freshwater Marshes/Pools (under 8ha)	1	Grass Crops	2
5.9 Wetlands (inland) - Freshwater Springs and Oases	2	Low Sparse Grassland	1
5.10 Wetlands (inland) - Tundra Wetlands (incl. pools and temporary waters from snowmelt)	2	Marsh Wetland	1
5.13 Wetlands (inland) - Permanent Inland Deltas	1	Mire, Bog, Fen	1
11.1 Artificial/Terrestrial - Arable Land	1	Narrow Conifers	2
11.2 Artificial/Terrestrial - Pastureland	1	Shrub Deciduous	1
11.4 Artificial/Terrestrial - Rural Gardens	1	Upland Tundra	3
11.5 Artificial/Terrestrial - Urban Areas	1	Urban	1
12.1 Artificial/Aquatic - Water Storage Areas (over 8ha)	1	Woody Savanna	1
12.2 Artificial/Aquatic - Ponds (below 8ha)	1		
12.3 Artificial/Aquatic - Aquaculture Ponds	1		
12.5 Artificial/Aquatic - Excavations (open)	1		
12.6 Artificial/Aquatic - Wastewater Treatment Areas	1		
12.7 Artificial/Aquatic - Irrigated Land (includes irrigation channels)	1		
12.8 Artificial/Aquatic - Seasonally Flooded Agricultural Land	1		
13 Introduced vegetation	2		

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"/>
1.1.1.3	Agro-industry farming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4	Livestock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4.3	Agro-industry	<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"/>

Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	<input checked="" type="checkbox"/>	<input 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"/>
1.2.2.3	Sub-national level	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3	Harvesting (hunting/gathering)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Medicine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.1	Taxonomy	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2.1	Subsistence use/local trade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2.2	Sub-national/national trade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	Threats	<input 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"/>	3.8	Conservation measures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3	Water pollution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.3.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	Habitat and site-based actions	<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"/>	4.1	Maintenance/Conservation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
					4.4	Protected areas	<input checked="" 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"/>

Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:		
3. Medicine - human and veterinary	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Primary forms removed from the wild	100%	>75%	51-75%	26-50%	<25%	Other forms removed from the wild:
1. Whole animal/plant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Source of specimens in commercial trade	100%	>75%	51-75%	26-50%	<25%	Other source of specimens:
Wild	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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, tolerance of a broad range of habitats, 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: Stable **Date of Assessment:** 4/5/2004

Assessor(s): Sergius Kuzmin, David Tarkhishvili, Vladimir Ishchenko, Boris Tuniyev, Trevor Beebee, Brandon Anthony, Benedikt Schmidt, A

Notes on Red listing:

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
- Puky, M. et al., 2003, , Preliminary herpetological atlas of Hungary, , pp. 86, Varangy Akciócsoport Egyesület, Budapest
- Arnold, E.N., 2003, , Reptiles and amphibians of Europe, , 288, Princeton University Press,
- Vershinin, V.L., 1997, Report from the Urals, FrogLog, , 21, ,
- Vogrin, M., 2002, Amphibians, , Nature in municipality Kidricevo, Vogrin, M., , 99-106, Municipality Kidricevo,
- Ye, C.-Y., Fei, L. and Hu, S.Q., 1993, , Rare and Economic Amphibians of China, , , Sichuan Publishing House of Science and Technology, Chengdu
- Puky, M., 2000, A kétéltűek védelme Magyarországon (Conservation of amphibians in Hungary), , Gerinces állatfajok védelme (Conservation of vertebrate species), Faragó, S., , 143-158, Nyugat-Magyarországi Egyetem Erdőmérnöki Kar, Sopron
- Kuzmin, S.L., 1995, , Die Amphibien Russlands und Angrenzender Gebiete, , , Westarp – Spektrum, Magdeburg - Heidelberg
- Dely, G., 1967, , Kétéltűek-Amphibia: Magyarország Állatvilága, Faunae Hungariae, , , Akadémiai Kiadó, Budapest
- Mlynarski, M., 1966, Plazy I Gady Polski, Państwowe Zakłady Wydawnictw Szkolnych, Warszawa, , , 75, , ,
- Smit, G., 1998, DAPTF-Netherlands Report, FrogLog, , , 28, , ,
- Garanin, V.I., 2000, The distribution of amphibians in the Volga-Kama region, , Advances in Amphibian Research in the former Soviet Union, , 5, 79-132, ,
- Kuzmin, S.L., 1999, , The Amphibians of the Former Soviet Union, , , Pensoft, Sofia-Moscow
- Taraszcuk, S.V., 1984, On the variability of Rana arvalis on the territory of Ukraine, Vestnik Zoologii, , , No. 5, 80-82, ,
- Grossenbacher, K., 1994, Rote Liste der gefährdeten Amphibien der Schweiz, , Rote Liste der gefährdeten Tierarten in der Schweiz, BUWAL, , 33-34, BUWAL (Bundesamt für Umwelt, Wald und Landschaft), Bern
- Kalezic, M. and Dzukic, G., 2001, Amphibian status in Serbia and Montenegro (FR Yugoslavia), FrogLog, , , 45, , ,
- 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
- Vogrin, N., 1997, The Status of Amphibians in Slovenia, FrogLog, , , 20, , ,

- Puky, M., 2003, Az újraárasztott Nyirkai Hany - Keleti Mórrétek (Hanság) herpetofaunája (Occurrence of amphibians and reptiles in the Nyirkai Hany Keleti Mórrétek wetland restoration area, Hanság, Hungary in the first year following inundation), *Folia Historico Naturalia Musei Matraensis*, , , 27, 341-347, ,
- MacKinnon, J., Meng, S., Cheung, C., Carey, G., Zhu, X. and Melville, D., 1996, , , A Biodiversity Review of China, , , World Wide Fund for Nature International, Hong Kong
- Rafiński, J. and Babik, W., 2000, Genetic differentiation among northern and southern populations of the moor frog *Rana arvalis* Nilsson in Central Europe, *Heredity*, , , 54, 610-618, ,
- Ishchenko, V.G., 1978, , , Dinamicheskii Polimophizm Burykh Lyagushek Fauny SSSR [Dynamic Polymorphism of the Brown Frogs of USSR Fauna], , , Nauka, Moscow
- Fei, L., Ye, C.-Y., Huang, Y.-A. and Liu, M.-Y., 1999, , , Atlas of Amphibians of China, , , Henan Science and Technical Press, Zhengzhou
- Puky, M., 2003, Amphibian mitigation measures in Central-Europe, , Proceedings of the International Conference on Ecology and Transportation, 26-31 August, 2003, Lake Placid, New York, USA, Irwin, L.C., Garrett, P. and McDermott, K.P., , 413-429, Center for Transportation and the Environment, North Carolina State University, USA,
- Ishchenko, V.G. and Skurykhina, E.S., 1981, On the ecological role of *Rana arvalis* in the zone of pre-taiga forests of Transuralia, , *Fauna Urala i Evropeiskogo Severa*, , , 57-62, , Sverdlovsk
- Vershinin, V., Pyastolova, O.A. and Trubetskaya, E.A., 1995, *Rana arvalis* Populations and Radioactive Pollution, *FrogLog*, , , 12, , ,
- Fog, K., 1995, Amphibian conservation in Denmark, *FrogLog*, , , 13, , ,
- Dubois, A., 1982, Notes sur les grenouilles brunes (Groupe de *Rana temporaria* Linne, 1758). I. Introduction, *Alytes*, , , 1(4), 56-70, ,
- Severtsov, A.S., Lyapkov, S.M. and Surova, G.S., 1998, Relationships of the ecological niches in *Rana temporaria* and *Rana arvalis*, *Zhurnal Obshchei Biologii*, , , 59, 279-301, ,
- Bannikov, A.G., Darevsky, I.S., Ishchenko, V.G., Rustamov, A.K. and Szczerbak, N.N., 1977, , , *Opredelitel Zemnovodnykh i Presmykayushchikhsya Fauny SSSR* [Guide to Amphibians and Reptiles of the USSR Fauna], , , Prosvechshenie, Moscow
- Loman, J., 2003, Inventering av vanlig groda och åkergroda i Skåne 2002, *Skåne i utveckling*, , , 2003(19), 1-28, ,
- Kovács, T., 2002, Monitoring of amphibians and reptiles along the Drava River, *FrogLog*, , , 52, , ,