

## Hyla savignyi

**Taxonomic Authority:** (Audouin, 1829)

**Region:** 10

### **Synonyms:**

Hyla arborea var. savignyi Boulenger, 1882  
Hyla arborea savignyi (Audouin, 1829)

### **Common Names:**

Maloziatskaya Kvaksha Russian

**Order:** Anura

**Family:** Hylidae

**Notes on taxonomy:** Hyla savignyi is a member of the Hyla arborea complex. It was previously considered to be a subspecies of H. arborea. A new species of Hyla from Israel, that is related to Hyla savignyi, is currently in press (Yehudah Werner pers. comm.)

## General Information

### **Biome**

Terrestrial

Freshwater

Marine

### **Geographic Range of species:**

This species is widespread in western Asia and southern Transcaucasia, including Cyprus, Turkey, the Levant, the Arabian Peninsula (the Asir region of southern Saudi Arabia and northern Yemen), Iran (Zagros region), northern Iraq, Talysh (Azerbaijan) northwestwards to Tbilisi, (Georgia). It has also been reported from the northeastern region of Sinai, Egypt (first recorded in the early 1990's). It is present from 400m below sea level (Jordan) to above 1,800m.

### **Habitat and Ecology Information:**

The species lives in much drier landscapes than Hyla arborea, including steppes, deserts and semi-deserts. It is also present in gardens, bush lands, montane forest edges, and areas with permanent or semi permanent water sources (including oasis) with good surrounding vegetation (eg. Phragmites, Oleander). The species may be found at considerable distances from waterbodies in xeric environments, such as rocky slopes and on the xerophytic bush Alhagi pseudoalhagi. Spawning and larval development takes place in small stagnant waterbodies, drainage canals and slow flowing brooks with dense herbaceous and shrub vegetation. The species is able to adapt to light habitat modification, and may be found in rural, or semi-urban, areas where suitable wetland habitat exists.

### **Conservation Measures:**

It is protected by national legislation in Israel. Present in protected areas in Georgia, Armenia, Azerbaijan, Jordan (Dana and Al Mujib Wildlife Reserves) and Lebanon (Arz El-Shouf, Horj Ehden, Ammiq marshes and Sandy Beach of Sour). The contact zone between H. savignyi and H. arborea in Georgia requires special attention (Kuzmin, pers. comm.)

### **Threats:**

Severe drought and habitat loss may lead to localised declines. In Syria and the Arabian Peninsula it may be threatened by water pollution and anthropogenic changes of habitat. In Israel, available breeding sites have declined by up to 30% in recent years.

### **Species population information:**

This species is relatively common in suitable habitat. It is the most abundant amphibian species in Israel; it is very common in Lebanon and is considered to be rare in Jordan.

## Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Armenia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Azerbaijan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cyprus	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Egypt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Georgia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iraq	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Islamic Republic of Iran	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Israel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jordan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lebanon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Saudi Arabia	<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"/>
Yemen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## FAO Marine Habitats

Native -  
Presence  
Confirmed

Native -  
Presence  
Possible

Extinct

Reintroduced

Introduced

## Major Lakes

## Major Rivers

## Upper Level Habitat Preferences

Score Lower Level Habitat Preferences

Score

3.4	Shrubland - Temperate	1	Bare Desert	2
3.5	Shrubland - Subtropical/Tropical Dry	1	Dry Woody Scrub	1
3.8	Shrubland - Mediterranean-type Shrubby Vegetation	1	Hot Irrigated Cropland	2
4.4	Grassland - Temperate	1	Low Sparse Grassland	1
4.5	Grassland - Subtropical/Tropical Dry	1	Mediterranean Scrub	1
5.1	Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	1	Sand Desert	2
5.5	Wetlands (inland) - Permanent Freshwater Lakes (over 8ha)	9	Savanna (Woods)	1
5.6	Wetlands (inland) - Seasonal/Intermittent Freshwater Lakes (over 8ha)	9	Semi Desert	2
5.7	Wetlands (inland) - Seasonal/Intermittent Freshwater Lakes (over 8ha)	9	Semi Desert Shrubs	2
5.7	Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha)	1	Shrub Deciduous	1
5.8	Wetlands (inland) - Permanent Freshwater Marshes/Pools (under 8ha)	1	Shrub Evergreen	1
5.8	Wetlands (inland) - Seasonal/Intermittent Freshwater Marshes/Pools (under 8ha)	9	Woody Savanna	1
5.9	Wetlands (inland) - Freshwater Springs and Oases	1		
8.2	Desert - Temperate	2		
11.1	Artificial/Terrestrial - Arable Land	2		
11.4	Artificial/Terrestrial - Rural Gardens	2		
12.9	Artificial/Aquatic - Canals and Drainage Channels, Ditches	1		
13	Introduced vegetation	9		

### 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"/>
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"/>
6.3.11	Other	<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"/>

### 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"/>
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"/>
3.1	Taxonomy	<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"/>
3.9	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"/>
4.4	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:
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25%
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25%

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, Theodore Papenfuss, Ahmad Disi, Gad Degani, David Tarkhnishvili, Boris Tuniyev, Max Sparreboom, Ismail Ug  
**Notes on Red listing:** In Israel, Jordan and Cyprus it is considered to be a threatened species.

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## **Bibliography**

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