

Annotated Checklist of Amphibians and Reptiles of Pakistan

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Abstract. - From recent herpetological collections several new amphibian and reptilian taxa have been added to the herpetofauna of Pakistan. Thus raising the number of species from Minton's 144 and Mertens' 178 to 225.

Key words. - Checklist, Pakistan, herpetofauna.

Introduction

Following is the checklist of amphibian and reptile species that, so far, have been recorded and described in the major works on the herpetology of the subcontinent from the areas now included in Pakistan (Günther, 1864; Murray, 1884, 1886, 1892; Boulenger, 1890, 1896; Smith, 1931, 1935, 1943). Recently described and recorded species from Pakistan are also included in it (Anderson and Leviton, 1966, 1967, 1969; Anderson and Minton, 1963; Cherlin, 1981, 1983; Szczerbak, 1991; Golubev and Szczerbak, 1981; Ingoldby, 1922; Mertens 1969a,b, 1970, 1971, 1972, 1974; Baig, 1988, 1989, 1998, 1999; Baig and Böhme, 1996; Baig and Gvozdk, 1998; Dubois and Khan, 1979; Minton, 1966; Minton and Anderson, J. 1965; Minton et al., 1970; Khan, A. Q. and Khan, M.S. 1996; Khan, 1972, 1974, 1980, 1984a,b, 1988, 1989, 1991, 1992, 1993a,b, 1994, 1997a,b,c, 1998, 1999a,b, 2000, 2001a,b, 2003a,b; Khan and Baig, 1992; Khan and Khan, R.Z., 1997; Khan and Tasnim, 1989, 1990; Khan and Rösler, 1999; Rastegar-Pouyani, 1999.

Frogs and Toads

Family: Bufonidae

Bufo Laurenti, 1768

Bufo himalayanus Günther, 1864

Bufo latastii Boulenger, 1882

Bufo melanostictus hazarensis Khan, 2001

Bufo olivaceus Blanford, 1874

Bufo pseudoraddei pseudoraddei Mertens, 1971

Bufo pseudoraddei baturae Stock, Schmid,

Steinlein, and Grosse, 1999

Bufo siacheninsis Khan, 1997

Bufo stomaticus Lütkin, 1862

Bufo surdus Boulenger, 1891

Bufo viridis zugmayeri Eiselt and Schmidtler, 1973

Family: Microhylidae

Microhyla Tschudi, 1828

Microhyla ornata (Duméril and Bibron, 1841)

Uperodon Duméril and Bibron, 1841

Uperodon systoma (Schneider, 1799)

Family: Ranidae

Euphlyctis Fitzinger, 1843

Euphlyctis cyanophlyctis cyanophlyctis (Schneider, 1799)

Euphlyctis cyanophlyctis microspinulata Khan, 1997

Euphlyctis cyanophlyctis seistanica (Nikolsky, 1900)

Hoplobatrachus Peters, 1863

Hoplobatrachus tigerinus (Daudin, 1802)

Fejervarya Bolckay, 1915

Fejervarya limnocharis (Boie, 1834)

Fejervarya syhadrensis (Annandale, 1919)

Nanorana Günther, 1836

Nanorana pleskei (Günther, 1896)

Paa Dubois, 1975

Paa barmoachensis (Khan and Tasnim, 1989)

Paa hazarensis Dubois and Khan, 1979

Paa sternosignata (Murray, 1885)

Paa vicina (Stoliczka, 1872)

Sphaerotheca Duméril and Bibron, 1841.

Sphaerotheca breviceps (Schneider, 1799)

Turtles and Tortoises

Family: Cheloniidae

Caretta Rafinesque, 1814

Caretta caretta (Linnaeus, 1758)

Chelonia Brongniart, 1800

Chelonia mydas (Linnaeus, 1758)

Eretmochelys Fitzinger, 1843

Eretmochelys imbricata (Linnaeus, 1766)

Lepidochelys Fitzinger, 1843

Lepidochelys olivacea (Eschscholtz, 1824)

Family: Dermochelyidae

Dermochelys Blainville, 1816

Dermochelys coriacea (Vandelli, 1761)

Family: Emydidae

Geoclemys (Gray, 1821)

Geoclemys hamiltonii (Gray, 1821)

Hardella Gray, 1870

Hardella thurjii Gray, 1870

Kachuga Gray, 1856

Kachuga smithii (Gray, 1863)

Kachuga tecta (Gray, 1831)

Family: Testudinidae

Agrionemys Khozatsky and Mlynarsky, 1966

Agrionemys horsfieldii (Gray, 1844)

Geochelone Fitzinger, 1835

Geochelone elegans (Schopff, 1792)

Family: Trionychidae

Aspideretes Hay, 1835

Aspideretes gangeticus (Cuvier, 1825)

Aspideretes hurum (Gray, 1831)

Chitra Gray, 1844

Chitra indica (Gray, 1831)

Lissemys Smith, 1931

Lissemys punctata andersoni Webb, 1980

Crocodiles and Gavials

Family: Crocodylidae

Crocodylus Laurenti, 1768

Crocodylus palustris Lesson, 1831

Family: Gavialidae

Gavialis Opper, 1811

Gavialis gangeticus (Gmelin, 1789)

Lizards

Family: Agamidae

Brachysaura Blyth, 1856

Brachysaura minor (Hardwicke and Gray, 1827)

Calotes Cuvier, 1817

Calotes versicolor versicolor (Daudin, 1802)

Calotes versicolor farooqi Auffenberg and Rehman,
1995

Japalura Gray, 1853

Japalura kumaonensis (Annandale, 1907)

Laudakia Gray, 1845

Laudakia agrorensis (Stoliczka, 1872)

Laudakia badakhshana (Anderson and Leviton, 1969)

Laudakia caucasia (Eichwald, 1831)

Laudakia fusca (Blanford, 1876)

Laudakia himalayana (Steindachner, 1869)

Laudakia lirata (Blanford, 1874)

Laudakia melanura nasiri Baig, 1999

Laudakia melanura melanura Blyth, 1854

Laudakia microlepis (Blanford, 1874)

Laudakia nupta (de Filippi, 1843)

Laudakia nuristanica (Anderson and Leviton, 1969)

Laudakia pakistanica (Baig, 1989)

Laudakia pakistanica auffenbergi Baig and Böhme,
1996

Laudakia pakistanica khani Baig and Böhme, 1996

Laudakia tuberculata (Hardwicke and Gray, 1827)

Phrynocephalus Kaup, 1825

Phrynocephalus clarkorum (Anderson and Leviton,
1967)

Phrynocephalus euptilopus Alcock and Finn, 1896

Phrynocephalus luteoguttatus Boulenger, 1887

Phrynocephalus maculatus Anderson, 1872

Phrynocephalus ornatus Boulenger, 1887

Phrynocephalus scutellatus Olivier, 1807

Trapelus Cuvier, 1816

Trapelus agilis Olivier, 1804

Trapelus agilis agilis (Olivier, 1804)

Trapelus agilis pakistanensis Rastegar-Pouyani, 1999

Trapelus megalonyx Günther, 1864

Trapelus rubrigularis Blanford, 1876

Trapelus ruderatus baluchianus (Smith, 1935)

Family: Chameleoniae

Chamaeleo Laurenti, 1768

Chamaeleo zeylanicus Laurenti, 1768

Family: Eublepharidae

Eublepharis Gray, 1827

Eublepharis macularius (Blyth, 1854)

Family: Gekkonidae

Agamura Blanford, 1874

Agamura persica (Duméril, 1856)

Altigekko M.S. Khan, 2003

Altigekko baturensis (Khan and Baig, 1992)

Altigekko boehmei (Szczerbak, 1991)

Altigekko stoliczkai (Steindachner, 1869)

Bunopus Blanford, 1874

Bunopus tuberculatus Blanford, 1874

Crossobamon Boettger, 1888

Crossobamon lumsdeni (Boulenger, 1887)

Crossobamon maynardi (Smith, 1933)

Crossobamon orientalis (Blanford, 1876)

Cyrtopodion Fitzinger, 1843

Cyrtopodion agamuroides (Nikolsky, 1900)

Cyrtopodion kachhense kachhense (Stoliczka, 1872)

Cyrtopodion kachhense ingoldbyi Khan, 1997

Cyrtopodion kohsulaimanai (Khan, 1991d)

Cyrtopodion montiumsalsorum (Annandale, 1913)

Cyrtopodion potoharensis Khan, 2001

Cyrtopodion scabrum (Heyden, 1827)

Cyrtopodion watsoni (Murray, 1892)

Hemidactylus Oken, 1817

Hemidactylus brookii Gray, 1845

Hemidactylus flaviviridis Rüppell, 1835

Hemidactylus frenatus Schlegel, 1836

Hemidactylus leschenaultii Duméril and Bibron, 1836

Hemidactylus persicus J. Anderson, 1872

Hemidactylus triedrus (Daudin, 1802)

Hemidactylus turcicus (Linnaeus, 1758)

Indogekko M.S. Khan, 2003

Indogekko fortmunroi (Khan, 1993)

Indogekko indusoani (Khan, 1980)

Indogekko rhodocaudus (Baig, 1998)

Indogekko rohtasfortai (Khan and Tasnim, 1990)

Mediodactylus Szczerbak and Golubev, 1977

Indogekko walli (Ingoldby, 1922)

Ptyodactylus Goldfuss, 1820

Ptyodactylus homolepis Blanford, 1876

Rhinogecko de Witte, 1973

Rhinogecko femoralis (Smith, 1933)

Rhinogecko misonnei de Witte, 1973

Siwaligekko M. S. Khan, 2003

Siwaligekko battalensis (Khan, 1993)

Siwaligekko dattanensis (Khan, 1980)

Siwaligekko mintoni (Golubev and Szczerbak, 1981)

Teratolepis Günther, 1870

Teratolepis fasciata (Blyth, 1853)

Teratoscincus Strauch, 1863

Teratoscincus microlepis Nikolsky, 1899

Teratoscincus scincus (Schlegel, 1858)

Teratoscincus scincus keyserlingi Strauch, 1863

Tropicolotes Peters, 1880

Tropicolotes depressus Minton and J. A. Anderson, 1965

Tropicolotes persicus persicus (Nikolsky, 1903)

Tropicolotes persicus euphorbiacola Minton, S. Anderson, and J. A. Anderson, 1970

Family: Lacertidae

Acanthodactylus Wiegmann, 1834

Acanthodactylus blanfordii Boulenger, 1918

Acanthodactylus cantoris Günther, 1864

Acanthodactylus micropholis Blanford, 1874

Eremias Wiegmann, 1834

Eremias acutirostris (Boulenger, 1887)

Eremias aporosceles (Alcock and Finn, 1896)

Eremias fasciata Blanford, 1874

Eremias persica Blanford, 1874

Eremias scripta (Strauch, 1867)

Mesalina Gray, 1838

Mesalina brevirostris Blanford, 1874

Mesalina watsonana (Stoliczka, 1872)

Ophisops Ménétriés, 1832

Ophisops elegans Ménétriés, 1832

Ophisops jerdonii Blyth, 1853

Family: Scincidae

Ablepharus Fitzinger, 1823

Ablepharus grayanus (Stoliczka, 1872)

Ablepharus pannonicus (Fitzinger, 1823)

Chalcides Laurenti, 1768

Chalcides ocellatus (Forskål, 1775)

Eurylepis Blyth, 1854

Eurylepis taeniolatus taeniolatus (Blyth, 1854)

Lygosoma Hardwick and Gray, 1827

Lygosoma punctata (Linnaeus, 1766)

Mabuya Fitzinger, 1826

Mabuya dissimilis (Hallowell, 1860)

Mabuya macularia (Blyth, 1853)

Novoeumeces Griffith, Ngo, and Murphy, 2000

Novoeumeces blythianus (J. Anderson, 1871)

Novoeumeces indothalensis (M.S. Khan and M.R.Z. Khan, 1997)

Novoeumeces schneiderii zarudnyi (Nikolsky, 1900)

Ophiomorus Dumeril and Bibron, 1839

Ophiomorus blanfordi Boulenger, 1887

Ophiomorus brevipes (Blanford, 1874)

Ophiomorus raithmai S. Anderson and Leviton, 1966

Ophiomorus tridactylus (Blyth, 1853)

Scincella Mittleman, 1950

Scincella himalayana (Günther, 1864)

Scincella ladacensis (Günther, 1864)

Family: Uromastycidae

Uromastyx Merrem, 1820

Uromastyx asmussi (Strauch, 1863)

Uromastyx hardwickii Gray, 1827

Family: Varanidae

Varanus Merrem, 1820

Varanus bengalensis (Daudin, 1802)

Varanus flavescens (Hardwicke and Gray, 1827)

Varanus griseus (Daudin, 1803)

Varanus griseus caspius (Eichwald, 1831)

Varanus griseus koniecznyi Mertens, 1954

Ophidia: Snakes

Family: Leptotyphlopidae

Leptotyphlops Fitzinger, 1843

Leptotyphlops blanfordii (Boulenger, 1890)

Leptotyphlops macrorhynchus (Jan, 1862)

Family: Typhlopidae

Ramphotyphlops Fitzinger, 1843

Ramphotyphlops braminus (Daudin, 1803)

Typhlops Oppel, 1811

Typhlops ahsanai M.S. Khan, 1999

Typhlops diardii Schlegel, 1839

Typhlops diardii platyventris M.S. Khan, 1998

Typhlops ductuliformes M.S. Khan, 1999

Typhlops madgemintonai madgemintonai M.S. Khan, 1999

Typhlops madgemintonai shermanai M.S. Khan, 1999

Family: Boidae

Eryx Daudin, 1803

Eryx conicus (Schneider, 1801)

Eryx johnii (Russell, 1801)

Eryx tataricus speciosus Zarevsky, 1915

Python Daudin, 1803

Python molurus (Linnaeus, 1758)

Family: Colubridae

Amphiesma Dumeril, Bibron and Dumeril, 1854

Amphiesma platyceps (Blyth, 1854)

Amphiesma sieboldii (Günther, 1860)

Amphiesma stolatum (Linnaeus, 1758)

Argyrogena Werner, 1924

Argyrogena fasciolata (Shaw, 1802)

Boiga Fitzinger, 1826

Boiga melanocephala (Annandale, 1904)

Boiga trigonata (Schneider, 1802)

Coluber Linnaeus, 1758

Coluber karelini karelini Brandt, 1838

Coluber karelini mintonorum Mertens, 1969

Enhydris Sonnini and Latreille, 1802

Enhydris pakistanica Mertens, 1959

Hemorrhois Boie, 1826

Hemorrhois ravergieri (Ménétriés, 1832)

Lycodon Boie, 1826

Lycodon aulicus aulicus (Linnaeus, 1758)

Lycodon striatus Shaw, 1802

Lycodon striatus bicolor (Nikolsky, 1903)

Lycodon striatus striatus (Shaw, 1802)

Lycodon travancoricus (Beddome, 1870)

Lytorhynchus Peters, 1862

Lytorhynchus maynardi Alcock and Finn, 1896

Lytorhynchus paradoxus (Günther, 1875)

Lytorhynchus ridgewayi Boulenger, 1887

Natrix Laurenti, 1768

Natrix tessellata (Laurenti, 1768)

Oligodon Boie, 1827

Oligodon arnensis (Shaw, 1802)

Oligodon taeniolatus (Jerdon, 1853)

Platyceps Blyth, 1860

Platyceps rhodorachis kashmirensis (M. S. Khan and A. Q.Khan, 2000)

Platyceps rhodorachis ladacensis (J. Anderson, 1871)

Platyceps rhodorachis rhodorachis (Jan, 1865)

Platyceps ventromaculatus bengalensis (M. S. Khan and A. Q.Khan, 2000)

Platyceps ventromaculatus indusai (M. S. Khan and A. Q. Khan, 2000)

Platyceps ventromaculatus ventromaculatus (Gray and Hardwicke, 1834)

Psammophis Fitzinger, 1826

Psammophis condanarus (Merrem, 1820)

Psammophis leithii leithii Günther, 1869

Psammophis lineolatus lineolatus (Brandt, 1838)

Psammophis schokari schokari (Forskål, 1775)

Pseudocyclophis Boettger, 1888

Pseudocyclophis persicus (J.Anderson, 1872)

Ptyas Fitzinger, 1843

Ptyas mucosus (Linnaeus, 1758)

Sibynophis Fitzinger, 1843

Sibynophis sagittarius (Cantor, 1839)

Spalerosophis Jan, 1865

Spalerosophis arenarius (Boulenger, 1890)

Spalerosophis diadema diadema (Schlegel, 1837)

Spalerosophis diadema atriceps (Fisher, 1885)

Spalerosophis schirazianus (Jan, 1865)

Telescopus Wagner, 1830

Telescopus rhinopoma (Blanford, 1874)

Xenochrophis Günther, 1864

Xenochrophis cerasogaster cerasogaster (Cantor, 1839)

Xenochrophis piscator piscator (Schneider, 1799)

Xenochrophis sanctijohannis (Boulenger, 1890)

Family: Elapidae

Bungarus Daudin, 1803

Bungarus caeruleus caeruleus (Schneider, 1801)

Bungarus sindanus razai M. S. Khan, 1985

Bungarus sindanus sindanus Boulenger, 1847

Naja Laurenti, 1768

Naja naja (Linnaeus, 1758)

Naja oxiana (Eichwald, 1831)

Family: Hydrophiidae

Astrotia Fisher, 1856

Astrotia stokesii (Gray, 1846)

Enhydrina Gray, 1849

Enhydrina schistosa (Daudin, 1803)

Hydrophis Latreille, 1802

Hydrophis caeruleus (Shaw, 1802)

Hydrophis cyanocinctus Daudin, 1803

Hydrophis fasciatus (Schneider, 1799)

Hydrophis lapemoides (Gray, 1849)

Hydrophis mamillaris (Daudin, 1803)

Hydrophis ornatus (Gray, 1842)

Hydrophis spiralis (Shaw, 1802)

Lapemis Gray, 1835

Lapemis curtus (Shaw, 1802)

Microcephalophis Lesson, 1834

Microcephalophis cantoris (Günther, 1864)

Microcephalophis gracilis (Shaw, 1802)

Pelamis Daudin, 1803

Pelamis platurus (Linnaeus, 1766)

Praescutata Wall, 1921

Praescutata viperina (Ph. Schmidt, 1852)

Family: Viperidae

Daboia Gray, 1842

Daboia russelii russelii (Shaw and Nodder, 1797)

Echis Merrem, 1820

Echis carinatus (Schneider, 1820)

Echis carinatus astolae Mertens, 1969

Echis carinatus multisquamatus Cherlin, 1981

Echis carinatus sochureki Stemmler, 1964

Eristicophis Alcock and Finn, 1896

Eristicophis macmahonii Alcock and Finn, 1897

Macrovipera Reuss, 1927

Macrovipera lebetina obtusa (Dwigubsky, 1832)

Pseudocerastes Boulenger, 1896

Pseudocerastes bicornis Wall, 1913

Pseudocerastes persicus (Duméril, Bibron, and
Duméril, 1854)

Family: Crotalidae

Gloydus Hoge and Romano-Hoge, 1981

Gloydus himalayanus (Günther, 1864)

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