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OPHIO-FAUNA OF UJJAIN & CERTAIN AREAS OF MALWA REGION (MADHYA PRADESH)

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INTRODUCTION

The Ujjain district which was considered as the 'cultural capital' of India in the past, is also carries a significance in Madhya Pradesh for its floral & faunal wealth and the famous 'Mahakal Temple' is located here. The Malwa forms a distinct unit of M.P. ($27^{\circ}70'$ – $25^{\circ}10'$ N & $73^{\circ}45'$ – $79^{\circ}14'$ E) with an area of 1,50,000 square kilometre and include the Ujjain district. The climate in general is tropical monsoon-type. This region has got a typical flora; suitable for a plateau and comprises mixed deciduous forest along with grass land and xyrophytes. The soil of Malwa is black loam.

The present paper is mostly based on the study of snakes collected from Ujjain city and its surroundings of Malwa. The present studies are based on 33 species of snakes belong to 6 families. Smith (1943), Gharpurey (1962), Deoras (1965), Whitaker (1978), Daiel (1983) and Murthy (1986) has already focussed our attention on the snakes occurring in Madhya Pradesh. Some of the recent works which deals with the Ophio-fauna of Malwa Region are those of Ingle (1996), Vyas (1998) and Ingle (2001). In the present work, four species have been added and the complete list of snakes known from the Malwa is presented.

SYSTEMETIC ACCOUNT

Order SQUAMATA

Suborder SERPENTES

Family TYPHLOPIDAE

1. *Typhlops braminus* (Daudin)

1803. *Eryx braminus*, *Hist. Nat. Rept.* vii : 279 (based on Russell).

1943. *Typhlops braminus* Smith, *Fauna Brit. Ind.* iii : 46.

Material examined : 20 exs., collected from different areas of Ujjain district as follows : Ujjain city area – 10 exs., collected from KDP, MN, GK, IN, BW & PB. 5.vii.1995, T. Ingle, M. Ingle. Ujjain rural areas – 10 exs., 4 exs. collected from villages NK, JP (BT), 15.viii.1995, M. Ingle. 2 exs. collected from RU, GHI (KT). 13.vi.1995, 19.vii.1996, M. Ingle. 4 exs. collected from DI, PAT, KTH, MKN (TT), 10.ix.1995, M. Ingle.

Distribution : Madhya Pradesh : As mentioned in the material.

Elsewhere : Throughout the orientel region, Arfica, Mexico and New Guinea.

2. *Typhlops diardi diardi* (Smith)

1839. *Typhlops diardi* Schlegal, *Abbie. Amphia.*, : 39.

1923. *Typhlops diardi diardi* Smith, *J.N.H.S. Siam*, vi : 52.

Material examined : 10 exs. collected from Ujjain city areas as follows : KC, HS, DM, RN, PB, 7.vi.1994, 9.vi.1995, 11 & 13.vii.1996, 5.vii.1998, T. Ingle, M. Ingle.

Distribution : Madhya Pradesh : As mentioned in the material, common in West Bengal, Assam, U.P. to Vietnam.

3. *Typhlops acutus* (Dum. & Bib.)

1844. *Ongchocephalus acutus* Dum. & Bib., *Erp. Gen.* vi : 333.

1890. *Typhlops acutus* Boulenger, *Fauna Brit. Ind.*, : 241.

Material examined : 8 exs. collected from city areas of Ujjain as follows : PB, DG, NKH & DM, 17.vii.1995, 15.ix.2000, M. Ingle.

Distribution : Peninsular India, south of Gangetic Plain and south of Rajasthan, west to Gujarat and east to Calcutta (West Bengal).

Family UROPELTIDAE

4. *Uropeltis ocellatus* (Beddome)

1863. *Silybura ocellata* Beddome, *Proc. zool. Soc.*, : 225.

1943. *Uropeltis ocellatus* Smith, *Fauna Brit. Ind.*, iii : 76.

Material examined : 2 exs., 1 ex. collected from Dhamnod (near Narmada river vally) of Dhar district, 1995, M. Vyas. 1 ex. Satvas village of Dewas district, 3.iv.2001, M. Ingle.

Distribution : Madhya Pradesh : As mentioned in the material.

Elsewhere : Western Ghats, Peninsular India.

Family BOIDAE

5. *Python molurus* (Linnaeus)

1758. *Python molurus* Linnaeus, *Syst. Nat. 10th ed.*, : 225.

1943. *Python molurus* Smith, *Fauna Brit. Ind.*, iii : 106.

Material examined : 5 exs., 1 ex. collected from GK–KB area of Ujjain city, 12.xi.1995, M. Ingle. 4 exs. collected from village RV (MT), MKN (TT), PP (BT) of Ujjain district, 3.iv.1996, 15.vii.1999, M. Ingle.

Distribution : Madhya Pradesh.

Elsewhere : Peninsular India to the extreme limit of Sind and Punjab in the north-west and to Bengal in the north-east, also Sri Lanka.

Status : Rare, protected under scheduled I (part-2) of Indian Wild Life Act., 1972 (1992).

6. *Eryx conicus* (Schneider)

1801. *Boa conica* Schneider, *Hist. Amphibia.*, ii : 268.

1943. *Eryx conicus* Smith, *Fauna Brit. Ind.*, iii : 112.

Material examined : 38 exs., 17 exs. Ujjain city areas IAAR, GK, VDCM, GD, DM, 15.xi.1995, 23.vi.1996, 5.vii.1999, M. Ingle. 13 exs. collected from rural areas, DI, PAT, KTH (TT), 10.ix.1995., M. Ingle. 6 exs. from villages NK, GD (BT), 30.ix.1996, M. Ingle. 2 exs. from villages LK, KH (UT), 4.v.1996, M. Ingle.

Distribution : India : from the base of Himalayas to the extreme south of India, in the west to Bihar and Bengal in the east.

Elsewhere : North Sri Lanka, in Pakistan from Sind & Baluchistan.

Status : Common.

7. *Eryx johni johni* (Russell)

1801. *Boa johni* Russell, *Ind. Serp.*, ii : 18 & 20.

1943. *Eryx johni johni* Smith, *Fauna Brit. Ind.*, iii : 119.

Material examined : 5 exs. collected from villages DI, PAT (TT), BM, NL, PBR, DH (UT), 13.vi.1993, 15.iv.1995, M. Ingle.

Distribution : Madhya Pradesh : As mentioned in the material; in the plains of Indian subcontinent.

Elsewhere : Sri Lanka, Pakistan, Afghanistan & Iran.

Status : It was common in Ujjain & its surrounding areas in the past but not recorded for last few years. Now became rare in the region.

Family COLUBRIDAE

8. *Lycodon aulicus* (Linnaeus)

1754. *Coluber aulicus* Linnaeus, *Mos. Adolph. Frider.*, i : 29.

1943. *Lycodon aulicus* Smith, *Fauna Brit. Ind.*, iii : 263.

Material examined : 25 exs. collected from Ujjain urban areas : KC, DG, PB, 3.v.1990, 7.vii.1992, 13.ix.1996, 19.viii.2000, T. Ingle, H. Ingle, M. Ingle.

Distribution : Madhya Pradesh : As mentioned in the material.

Elsewhere : Whole of India including Andaman and Nicobar Islands. Sri Lanka, Hongkong, Loss, Malaysia, Nepal, Vietnam, Pakistan, Bangladesh, Philippines, Myanmar, Indonesia and S. China.

Remarks : The species is very common in urban areas of Ujjain city.

9. *Lycodon striatus* (Shaw)

1802. *Coluber striatus* Shaw, *Gen. Zool.*, iii : 527.

1943. *Lycodon striatus* Smith, *Fauna Brit. Ind.*, iii : 261.

Material examined : 8 exs. collected from KC, DG, PB areas of Ujjain city, 14.iv.1995, 20.viii.1997, 31.vii.2000, M. Ingle.

Distribution : India as far east as Chota Nagpur, Peninsular India, Gujarat, Western ghats, Central India.

Elsewhere : Sri Lanka, West ward to Iran, Pakistan, Baluchistan, Sind, N. W. F. Provinces.

10. *Oligodon arnensis* (Shaw)

1802. *Coluber arnensis* Shaw, *Gen. Zool.*, iii : 526.

1943. *Oligodon arnensis* Smith, *Fauna Brit. Ind.*, iii : 225.

Material examined : 6 exs. collected from IN, MN, VUC areas of Ujjain city, 23.vi.1995, 17.vii.1996, 15.vi.2001, M. Ingle.

Distribution : Madhya Pradesh : As mentioned in the material. Gujarat, Peninsular India, Western Himalayas, Bengal.

Elsewhere : Nepal, Pakistan, Sri Lanka.

11. *Oligodon taeniolatus* (Jerdon)

1853. *Coronella taeniolatus* Jerdon, *Jour. Asiat. Soc. Bengal.*, 22 : 528.

1966. *Oligodon taeniolatus* Minton, *Bull. Am. Mus. Nat. Hist.*, 134 : 133-134.

Material examined : 2 exs., 1 ex. collected from a village NK (BT), 3.xi.2000, M. Ingle. 1 ex. collected from IN, 22.vii.2001, M. Ingle.

Distribution : India : Gujarat, Peninsular India and Bihar.

Elsewhere : Sri Lanka, Pakistan.

Remarks : Recorded for the first time from the region.

12. *Sibnyophis subpunctatus* (Dum. & Bib.)

1854. *Oligodon subpunctatus* Dum. & Bib., *Erp. Gen.*, 7 : 58.

1943. *Sibnyophis subpunctatus* Smith, *Fauna Brit. Ind.*, 3 : 279.

Material examined : 1 ex. collected from Dhar district of M.P., 1994, M. Vyas.

Distribution : India : Peninsular India, Gujarat, West Bengal.

Elsewhere : Sri Lanka.

13. *Amphiesma stolata* (Linnaeus)

1758. *Coluber stolata* Linnaeus, *Syst. Nat.*, : 219.

1943. *Natrix stolata* Smith, *Fauna Brit. Ind.*, 3 : 303.

Material examined : 10 exs. collected from DM, RN, HS areas of Ujjain city, 9.vi.1995, 17.vii.1996, 4.v.1997, 27.vii.2001, M. Ingle.

Distribution : Whole of India including Andamans.

Elsewhere : Sri Lanka, Pakistan.

Status : Very common in Ujjain city areas.

14. *Macropisthodon plumbicolor* (Cantor)

1839. *Tropidonotus plumbicolor* Cantor, *Proc. zool. Soc. London* : 54 (type be Malwa, Saugar).

1943. *Macropisthodon plumbicolor* Smith, *Fauna Brit. Ind.*, 3 : 314.

Material examined : 6 exs. collected from villages BM, LK, KH (UT), 2.vi.1994, 11.vii.1996, 20.ix.1999, M. Ingle.

Distribution : Throughout India except the Ganges vally and the extreme north-west.

Elsewhere : Sri Lanka.

15. *Xenochrophis piscator* (Schneider)

1799. *Hydrus piscator* Schneider, *Hist. Amph.*, 1 : 247.

1965. *Xenochrophis piscator* Malanate and Olinnton, *Proc. Acad. Sci. Phila.*, 117 : 19-41.

Material examined : 30 exs. collected from RN, NK, BW, VDCM, PB & KC areas of Ujjain city. 11.vii.1995, 17-19.vi.1996, 10,12,15.vii.1999, 3,6,8.vi.2001, M. Ingle.

Distribution : Whole of India.

Elsewhere : Complete Malyan region, S. China, Taiwan, Bangladesh, Bornea, Burma, Sri Lanka, Pakistan & Indochina.

Status : Very common in Ujjain.

16. *Atretium schistosum* (Daudin)

1803. *Coluber schistosum* Daudin, *Hist. Nat. Rept.*, vii : 132 (based on Russell, 1801, Ind).

1943. *Atretium schistosum* Smith, *Fauna Brit. Ind.*, 3 : 319-320.

Material examined : 2 exs. collected from KDP, NG areas of Ujjain, 4.vi.1995, 17.vii.1996, M. Ingle.

Distribution : Throughout India (Anaimalais, Wyanad, Mysore, U. P., Orissa) except the Himalayas.

Elsewhere : Sri Lanka.

17. *Elaphe helena* (Daudin)

1796. Russell, *Ind. Serp.*, 1 : 37, pl. 32.

1943. *Elaphe helena* Smith, *Fauna Brit. Ind.*, 3 : 140.

Material examined : 10 exs. collected from SS, VDCM, BW, NG & HS areas of Ujjain, 23,24.vi.1995, 10,12.ix.1996, 2, 3, 4.vii.1998, M. Ingle.

Distribution : Throughout India : Gujarat : Bharuch, Bhavnagar, Gandhinagar, Kheda, Vadodra, and Dang districts.

Elsewhere : Sri Lanka, West Pakistan.

18. *Ptyas mucosus* (Linnaeus)

1758. *Coluber mucosus* Linnaeus, *Mus. Ad. Erid.*, 1 : 37.

1943. *Ptyas mucosus* Smith, *Fauna Brit. Ind.*, 3 : 159.

Material examined : 30 exs. Ujjain city areas : 17 exs. collected from – RN, DM, UC, VDCM, PB & BW, 3.v.1990, 13.vii.1993, 30.viii.1998, 4.iv.2000, M. Ingle, B Ingle & H. Ingle. 13 exs. collected from villages – NK, GD (BT), LK, KH, HP (UT), KTH (TT), RU, GHO, GHI, NGR (KT), RV, IND (MT), BH, JT, 15.vi.1991, 23.vi.1996, 30.vii.1999, 4.viii.2001, M. Ingle, H. Ingle.

Distribution : Throughout India, Gujarat : Rajkot, Jamnagar, Vadodra, Gandhinagar, Bhavnagar, Bharuch, Panchmahals, Sabarkantha, Whole of India, Andaman islands.

Elsewhere : Sri Lanka, Burma.

19. *Argyrogena fasciolatus* (Shaw)

1802. *Coluber fasciolatus* Shaw (based on Russell, 1760 : 26, pl. 21).

1943. *Coluber fasciolatus* Smith, *Fauna Brit. Ind.*, 3 : 170.

1983. *Argyrogena fasciolatus* Daniel, *Indian Reptiles* : 78.

Material examined : 8 exs. collected from PB, DM, RN, VDCM & GD areas of Ujjain, 18.iii.1995, 25&26.v.1997, 14.vi.1999, M. Ingle.

Distribution : Peninsular India, Pakistan North to Himalayas and in the east to West Bengal.

20. *Argyrogena gracillis* (Guenther)

1862. *Zamenis gracilis* Guenther, *Ann. Mag. Nat. Hist.*, (3) ix : 125.

1943. *Coluber gracilis* Smith, *Fauna Brit. Ind.*, 3 : 171.

Material examined : 1 ex. collected from village DI (TT), 13.vi.2001, M. Ingle.

Distribution : Has been found in Bombay, Poona, Satara, Central Provinces & Sindh.

Remarks : The species is recorded for the first time from the region.

21. *Dendrelaphis tristis* (Daudin)

1803. *Coluber tristis* Daudin, *Hist. Nat. Rept.*, 6 : 430.

1943. *Ahaetulla tristis* Smith, *Fauna Brit. Ind.*, 3 : 248.

Material examined : 2 exs. MN area of Ujjain, 3.iv.1995, 15.vii.1999, M. Ingle.

Distribution : India : Gujarat : Rajkot, Junagarh, Vadodra and Bhavnagar districts. Peninsular India, West Bengal, Darjelling.

Elsewhere : Sri Lanka.

22. *Dendrelaphis pictus* (Gmelin)

1789. *Coluber pictus* Gmelin, *Syst. Nat.*, i : 1116.

1871. *Dendrophis pictus andmaniansis* (Anderson) P. Z. S., i : 84.

Material examined : 1 ex. collected from GD area of Ujjain, 17.iv.1995, M. Ingle.

Distribution : Southern India, Eastern Himalayas, Sikkim, the Andamans, Malay, Burma.

23. *Ahaetulla nasutus* (Lacepede)

1789. *Coluber nasuta* Lacepede, *Hist. Nat. Serp.*, i : 100.

1943. *Dryophis nasutus* Smith, *Fauna Brit. Ind.*, 376.

Material examined : 4 exs., 2 exs. collected from villages PBR, HP (UT), 9.iii.1995, M. Ingle. 1 ex. collected from a village Kannod of Dewas district, 14.iv.1999, M. Ingle. 1 ex. collected from Balwara an area of Vindhyachal hills, Indore district, 22.ii.2001, V. Upadhyay.

Distribution : Peninsular India excluding Ganges vally. West of Patna.

Elsewhere : Complete Indo-Chinese region, Vietnam, Thailand, Combodia, Sri Lanka, Burma.

24. *Psammophis condanarus* (Merrem)

1820. *Coluber psammophis condanarus* Merrem, *Tent. Syst. Amph.*, : 107.

1966. *Psammophis condanarus* Minton, *Bull. Am. Mus. Nat. Hist.*, **134** : 142-143.

Material examined : 1 ex. collected from a village DI (TT), 15.iii.2001, M. Ingle.

Distribution : India : Gujarat : Kachcha district, Maharashtra (Poona, Jalna, Kurnal, Berar), Punjab, Uttar Pradesh, Orissa, West Bengal.

Elsewhere : Arid and semi arid country in Pakistan, Myanmar, Thailand.

Remarks : The species is recorded for the first time from the Region.

25. *Boiga trigonata* (Schneider)

1802. *Coluber trigonata* Schneider, *Bechst. transl. Lacep.*, **4** : 256, pl. 40, fig. 1.

1966. *Boiga trigonata* Minton, *Bull. Am. Mus. Nat. Hist.*, **134** : 138-139.

Material examined : 8 exs. collected from villages NK, PM, JP (BT), BM (UT), 27.viii.1995, 30.vi.1998, 22.iv.1999, M. Ingle.

Distribution : Throughout India : Gujarat : Vadodra, Panchmahals and Dang districts, Peninsular India, Rajasthan.

Elsewhere : Sri Lanka.

Family ELAPIDAE

26. *Bungarus caeruleus* (Schneider)

1801. *Pseudoboa caeruleus* Schneider, *Hist. amphib.* **2** : 284.

1966. *Bungarus caeruleus* Minton, *Bull. Am. Mus. Nat. Hist.*, **134** : 152-153.

Material examined : 20 exs., 14 exs. collected from IAAR, IN, RN, VDCM of Ujjain city, 25.viii.1995, 15.vii. 1997, 3.vii.1999, 14.vi.2000, 25.vii.2001, M. Ingle. 4 exs. NK, JP, 2.iii.1999. 2 exs. collected from villages NGD, KM (KT), 22.iv.1999, M. Ingle.

Distribution : India : Gujarat : Gandhinagar, Bhavnagar, Dangs, Mehsana, Bharuch districts, West Bengal.

Elsewhere : Pakistan, Sri Lanka.

27. *Callophis melanurus* (Shaw)

1703. *Indian Serp.*, Russell, **1** : 12, pl. 8.

1943. *Callophis melonurus* Smith, *Fauna Brit. Ind.*, **3** : 420.

Material examined : 1 ex. collected from an hilly area on the way of Ujjain–Bhopal road in Bhopal district, 20.iii.2001, M. Ingle.

Distribution : Peninsular India, Gujarat : Bhavnagar, Dangs, West Bengal, Maharashtra (Bombay, Nagpur), Tamil Nadu.

Elsewhere : Ceylon.

Remarks : Recorded for the first time from the region.

28. *Naja naja naja* (Linnaeus)

1758. *Coluber naja* Linnaeus, *Syst. Nat.* : 221.

1966. *Naja naja naja* Minton, *Bull. Am. Mus. Nat. Hist.*, **134** : 153-154.

Material examined : 40 exs., 24 exs. collected from villages RUN, PM, PP, NK (BT), PAT, KTH, MKN, DI (TT), RV, JH (MT), RU, NGR (KT), LK, KH, HP (UT), 26.v.1990, 17.vii.1992, 5.vi.1995, M. Ingle, H. Ingle. 16 exs. collected from RN, DM, HM, VDCM, IN, NG, HS, GK, areas of Ujjain city, 5.vi.1991, 11.iv.1993, 5.vii.1995, 21.v.1998, 24.viii.2000, 28.vi.2001, M. Ingle, B. Ingle, H. Ingle.

Distribution : India : Gujarat : Sanbarkantha, Ahmedabad, Surendra nagar, Surat, Dangs, Junagarh districts, Peninsular India, Kashmir, Punjab, Haryana, Bihar, Orissa, Rajasthan, United Provinces.

Elsewhere : Sri Lanka.

Status : Very common in some areas of Ujjain.

29. *Naja naja kaouthia* Lesson

1831. *Naja kaouthia* Lesson in *Ferussac. Bull. Sci. Nat.*, **25** : 122.

1943. *Naja naja kaouthia* Smith, *Fauna Brit. Ind.*, **3** : 428.

Material examined : 1 ex. collected from Hanuman Mandir near river Kshipra – NG area of Ujjain, 11.ix.1996, M. Ingle.

Distribution : India : Assam, Bengal, Bihar, Eastern Uttar Pradesh & the Himalayas.

Elsewhere : Complete Indo-China.

30. *Naja naja oxiana* (Eichwald)

1943. *Naja naja oxiana* Smith, *Fauna Brit. Ind.*, **3** : 428.

1966. *Naja naja oxiana* Minton, *Bull. Am. Mus. Nat. Hist.*, **134** : 154-155.

Material examined : 25 exs., 16 exs. collected from villages MKN, KTH, BH (TT), IND, JH, RV (MT), NGR, KM, GHI (KT), RUN, NK, JP (BT), DH, BM, LK, KH, HP (UT), 27,28.vi.1990, 17,18.vii.1992, 12.vi.1995, M. Ingle. 9 exs. collected from RN, VUC, NK, DM, IN, GK, KDP, MN areas of Ujjain city. 6,8.vi.1991, 14,15.iv.1993, 6,7.vii.1995, 20,21,22.v.1998, 24,25.viii.2001, M. Ingle, B. Ingle.

Distribution : India : Gujarat, Punjab, Kashmir.

Elsewhere : Transcaspia & Southern Turkmenistan, near the Indian border with Pakistan.

Family VIPERIDAE

31. *Vipera russelli* (Shaw)

1797. *Coluber russelli* Shaw, *Nat. Misc.*, 8 : pl. 291.

1966. *Vipera russelli* Minton, *Bull. Am. Mus. Nat. Hist.*, 134 : 156.

Material examined : 22 exs., 20 exs. collected from villages RUN, PM, NK, PP, JHU (BT), BM, LK, KH, JT, HP (UT), KTH, PAT, DI, MKN (TT), 7, 8, 9.vi.1994, 7.ix.1995, 16.viii.1998, 23.iv.2000, M. Ingle. 2 exs. collected from HM, RN urban areas of Ujjain, 17.vii.1996, 8.vi.1999, M. Ingle.

Distribution : India : South India, Western Himalayas, Punjab, West coast, lower Bengal.

Elsewhere : Indian sub continent from Baluchistan in the West & Kashmir in the north to the eastern Himalayas & east wards to Burma, Thailand, Indo-china, Formosa, Indo-Australian Archepalegoe and Sri Lanka.

32. *Echis carinatus* (Schneider)

1796. *Ind. Serp.*, Russell, 1 : pl. 2, p. 2 (Arni).

1946. *Echis carinatus* Minton, *Bull. Am. Mus. Nat. Hist.*, 134 : 159-160.

Material examined : 5 exs. collected from villages PBR, NK, RDH, 1.v.1994, 19.iv.1999, M. Ingle.

Distribution : India South & West of Ganges, Middle east, Cochin, Travancore, Kerala.

Elsewhere : Arabia, Ghana, Sri Lanka.

33. *Trimeresurus gramineus* (Shaw)

1802. *Coluber gramineus* Shaw, *Gen. Zool.*, 3 : 420.

1943. *Trimeresurus gramineus* Smith, *Fauna Brit. Ind.*, 3 : 515.

Material examined : 1 ex. collected from Pachmari, Hoshangabad district, 1995, M. Vyas.

Distribution : India : Gujarat : Dangs district, complete Peninsular India South latitude 22°.

SUMMARY

Thirty three species of Snakes occurring in the different urban & rural areas of Ujjain district & surrounding areas of Malwa Region of Madhya Pradesh are discussed.

Table 1. : Species of snakes, area of occurrence & Status in the Ujjain district.
(Urban areas)

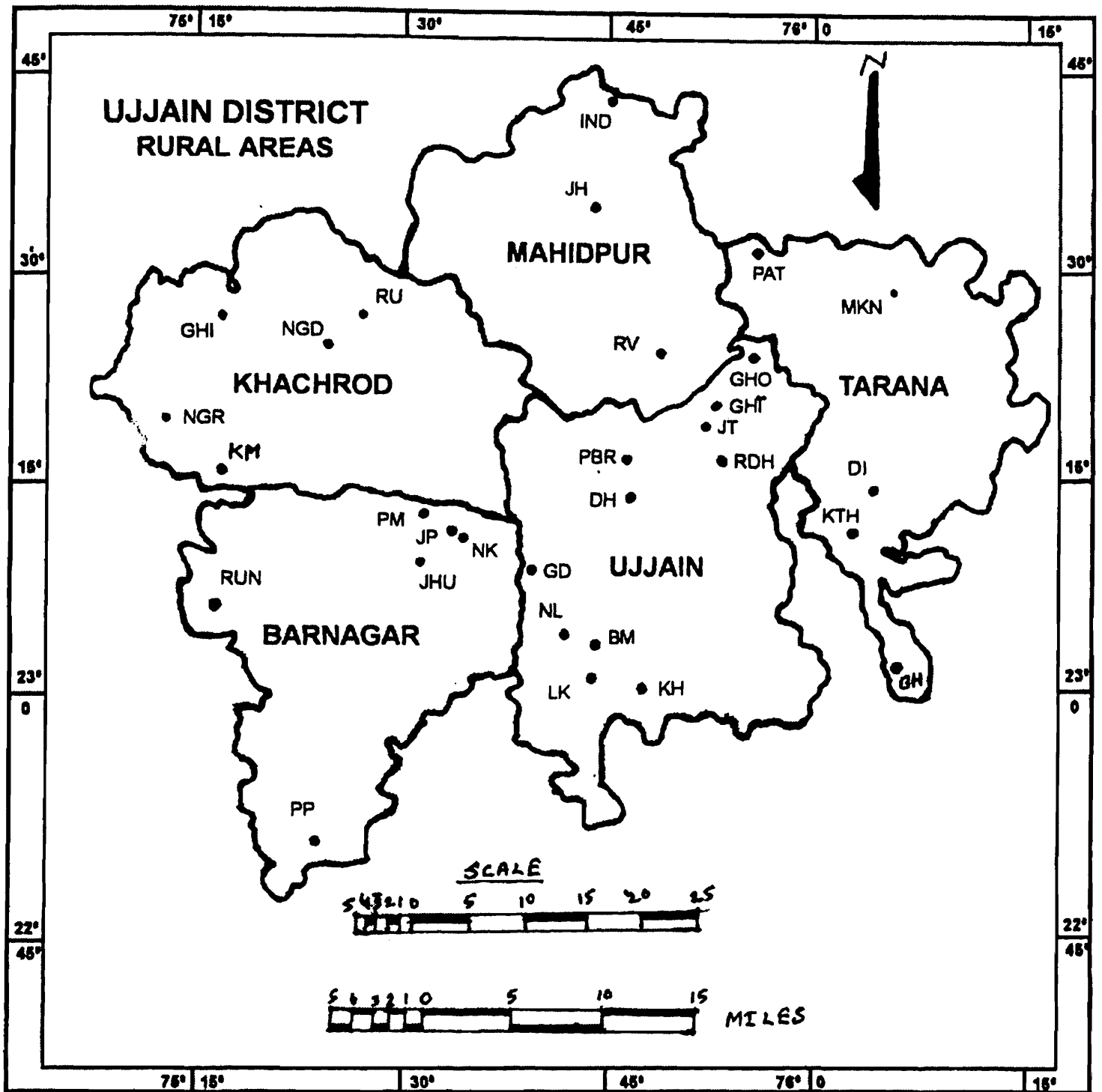
S. No.	Scientific name	Area of occurrence	Status
	Family : TYPHLOPIDAE		
1.	<i>Typhlops braminus</i>	IN, PB, BW, KDP, MN, GK	VC
2.	<i>Typhlops diardi diardi</i>	KC, HS, NG, DM, RN, PB	C
3.	<i>Typhlops acutus</i>	PB, DG, NKH, DM	UC
	Family : BOIDAE		
4.	<i>Python molurus</i>	GK-KB	R
5.	<i>Eryx conicus</i>	IAAR, GK, VDCM, DM	VC
	Family : COLUBRIDAE		
6.	<i>Lycodon aulicus</i>	KC, PB, DG	VC
7.	<i>Lycodon striatus</i>	KC, PB, DG	R
8.	<i>Oligodon arnensis</i>	IN, MN, VUC	C
9.	<i>Amphiesma stolata</i>	DM, RN, HS	VC
10.	<i>Xenochrophis piscator</i>	RN, DM, NKH, BW, VDCM, PB, KC	VC
11.	<i>Atretium schistosum</i>	KDP, NG	UC
12.	<i>Elaphe helena</i>	SS, NG, BW, HS, VDCM	C
13.	<i>Ptyas mucosus</i>	DM, RN, VUC, VDCM, PB, BW	VC
14.	<i>Argyrogena fasciolatus</i>	PB, DM, RN, VDCM	UC
15.	<i>Dendrelaphis tristis</i>	MN	UC
	Family : ELAPIDAE		
16.	<i>Bungarus caeruleus</i>	IAAR, RN, IN, VDCM	C
17.	<i>Naja naja naja</i>	RN, DM, HM, VDCM, IN, NG, HS, GK	VC
18.	<i>Naja naja kaouthia</i>	NG	R
19.	<i>Naja naja oxiana</i>	DM, RN, NKH, IN, GK, KDP, MN, VUC	VC
	Family : VIPERIDAE		
20.	<i>Vipera russelli</i>	HM, RN	C

IN-Indira Nagar, BW-Budhwaria, KDP-Kaliadeh Palace, MN-Mangal nath, GK-Garhkalika, PB-Patni bazar, KC-Kartik chauk, HS-Harsiddhi, NG-Narsingh Ghat, DM-Dashhara Maidan, RN- Rishi Nagar, DG-Danigate, NKH-Nana Kheda, KB-Kal-Bhairav, IAAR-Industrial Area Agar Road, VDCM-Vikramaditya Cloth Market, VUC-Vikram University Campus, SS-Solah Sagar, HM-Hira Mill.

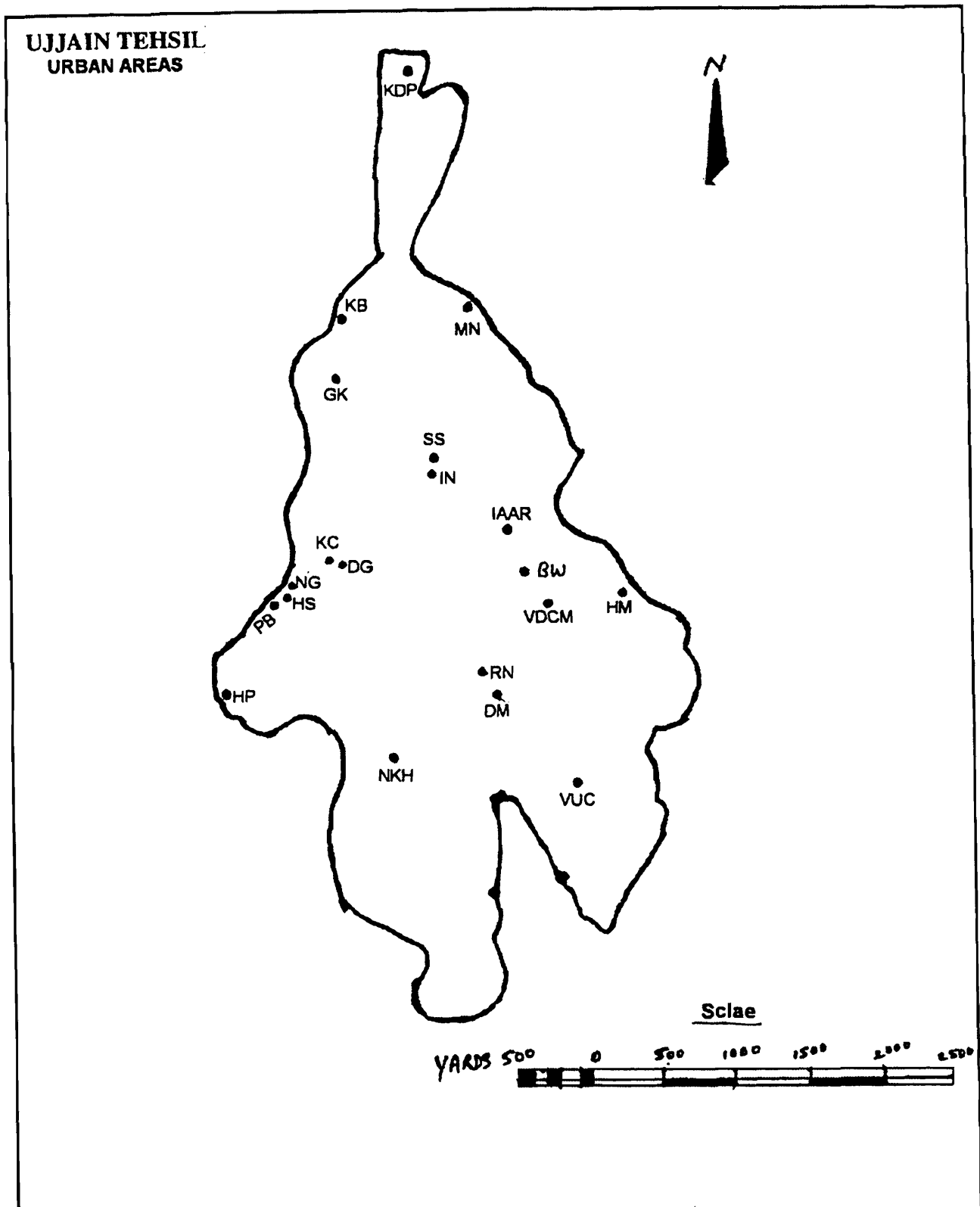
**Table 2. : Species of snakes, area of occurrence & Status in the Ujjain district.
(Rural areas)**

S. No.	Scientific name	Area of occurrence	Status
1.	Family : TYPHLOPIDAE <i>Typhlops braminus</i>	NK, JP, RU, GHI, DI, PAT, KTH, MKN	VC
2.	Family : BOIDAE <i>Python molurus</i>	RV, MKN, PP	R
3.	<i>Eryx conicus</i>	DI, PAT, KTH, NK, GD, LK, KH	VC
4.	<i>Eryx johani johani</i>	DI, PAT, NL, DH, PBR, BM	R
5.	Family : COLUBRIDAE <i>Oligodon taeniolatus</i>	NK	RFT
6.	<i>Macropisthodon plumbicolor</i>	BM, LK, KH	C
7.	<i>Ptyas mucosus</i>	NK, GD, LK, KH, HP, KTH, GHO, GHI, RU, NGR, RV, IND, JT, BH	VC
8.	<i>Argyrogena fasciolatus</i>	GD	UC
9.	<i>Argyrogena gracilis</i>	DI	RFT
10.	<i>Dendrelaphis pictus</i>	GD	R
11.	<i>Ahaetulla nasutus</i>	PBR, HP	R
12.	<i>Psammophis condanarus</i>	DI	RFT
13.	<i>Boiga trigonata</i>	NK, JP, PM, BM	UC
14.	Family : ELAPIDAE <i>Bungarus caeruleus</i>	NK, JP, NGD, KM	C
15.	<i>Naja naja naja</i>	RUN, PM, PP, NK, PAT, MKN, KTH, DI, RV, JH, RU, NGR, LK, KH, HP	VC
16.	<i>Naja naja oxiana</i>	MKN, BH, KTH, IND, JH, RV, NGR, KM, GHI, NK, JP, RUN, DH, LK, KH, HP, BM	VC
17.	Family : VIPERIDAE <i>Vipera russelli</i>	RUN, PM, NK, JHU, PP, BM, LK, KH, HP, JT, MKN, PAT, DI, KTH	C
18.	<i>Echis carinatus</i>	PBR, NK, RDH	UC

NK–Narela Kalan, JP–Jahangir Pur, RU–Rupeta, GHI–Ghinoda, DI–Dubli, KTH–Kaitha, MKN–Makron, RV–Raghvi, PP–Piplu, GD–Gambhir Dam, LK–Lekora, KH–Karohan, NL–Nalwa, DH–Dhabla, PBR–Panbihar, BM–Bamora, HP–Hasam Pura, GHO–Ghosala, GHT–Ghatiya, NGR–Narsing Garh, IND–Indokh, JT–Jethal, BH–Bhatuni, PM–Palsoda Makravan, NGD–Nagda, KM–Kamthana, RUN–Runija, JHU–Jhumaki, JH–Jharda, RDH–Rudaheda.



KM-KAMTHANA, NGR-NARSINGH GARH, GHI-GHINODA, RU-RUPETA, NGD-NAGDA, IND-INDOKH, JH-JHARDA, RV-RAGHVI, DI-DUBLI, KTH-KAITHA, BH-BHATUNI, MKN-MAKRON, PM-PALSODA MAKRAVAN, NK-NARELA KALAN, JHU-JHUMKI, PP-PIPLU, GHO-GHOSALA, GHI-GHATIYA, JT-JETHAL, RDH-RUDHAHERA, PBR-PANBIHAR, DH-DHABLA, NL-NALWA, BM-BAMORA, LK-LEKORA, KH-KAROHAN, GD-GAMBHIR DAM, JP-JAHAN GIRPUR, TT-TARANA TENSIL, MT-MAHIDPUR TEHSEL, KT-KHACHROD TEHSIL, BT-BARNAGAR TEHSIL, UT-UJJAIN TEHSIL.



KDP-KALIADEH PALACE, KB-KAL BHAIKAV, GK-GARH KALIKA, MN-MANGAL NATH, IN-INDIRA NAGAR, BW-BUDHWARIA, KC-KARTIC CHAUK, HS-HARSIDDHI, NG-NARSINGH GHAT, DM-DASHHARA MAIDAN, RN-RISHI NAGAR, PB-PATNI BAZAR, DG-DANI GATE, NKH-NANAKHEDA, IAAR-INDUSTRIAL AREA AGAR ROAD, VUC-VIKRAM UNIVERSITY CUMPUS, SS-SOLAH SAGAR, VDCM-VIKRAMADITYA CLOTH MARKET, HP-HASAM PURA, HM-HIRA MILL.

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