

REPORT ON THE ICHTHYO FAUNA OF ANNA AND MADURAI DISTRICTS, TAMIL NADU

T J. INDRA
Zoological Survey of India, Madras

INTRODUCTION

During the years 1986-1987, Zoological Survey of India, Southern Regional Station, carried out two extensive surveys of Anna and Madurai Districts, in Tamil Nadu, under the Mopping Survey Scheme. Madurai District is traversed by the river Vaigai and its tributaries such as Theni, Surali and Moolar. These are seasonal rivers. Apart from these water ways there are few lakes i.e. Kodaikanal Lake and Berijam Lake in Anna District. Some water falls and hillstreams were also surveyed for their Ichthyo fauna. The Vaigai Dam across Vaigai river near Madurai and Sathiar Dam also near Madurai were also surveyed.

No comprehensive account on the fish fauna of Anna and Madurai Districts is available and therefore, a list of fishes from these districts is worth reporting. The data under each species includes its first reference, number of examples, their size range in mm. in standard length, area of collection, date of collection, geographical distribution and remarks (wherever variations are observed).

In all there are 34 species in the present collection of 560 examples (503 adults and 57 juveniles) belonging to 9 families. *Puntius arenatus* (Day) is being reported for the first time from Vaigai Dam. *Puntius filamentosus* (Valenciennes) and *Puntius mahecola* (Val.) were treated as two distinct species in accordance with the findings of Selvaraj, Mathew and Abraham (1986-87). Jayaram (1981) was followed for the identification and distribution of fishes.

LIST OF SPECIES

Super Order	Ostariophysi	
Order	Cypriniformes	
Family	Cyprinidae	
Sub Family	Cultrinae	
1. <i>Salmostoma clupeioides</i> (Bloch)		.. 11 exs.
Subfamily	Rasborinae	

4.	<i>Rasbora</i> (R) <i>caverii</i> (Jerdon)	..	4 exs.
5.	<i>Rasbora</i> (R) <i>daniconius</i> (Hamilton)	..	6 exs. 8 juv.
Subfamily		Cyprininae	
6.	<i>Catla catla</i> (Hamilton)	..	2 exs.
7.	<i>Cirrhinus mrigala</i> (Hamilton)	..	1 ex.
8.	<i>Cyprinus carpio communis</i> Linnaeus	..	6 exs.
9.	<i>Labeo rohita</i> (Hamilton)	..	3 exs.
10.	<i>Puntius arenatus</i> (Day)	..	5 exs.
11.	<i>Puntius chola</i> (Hamilton)	..	4 exs.
12.	<i>Puntius dorsalis</i> (Jerdon)	..	5 exs. 45 juv.
13.	<i>Puntius filamentosus</i> (Valenciennes)	..	21 exs.
14.	<i>Puntius mahecola</i> (Valenciennes)	..	4 exs.
15.	<i>Punthus melanampyx</i> (Day)	..	133 exs.
16.	<i>Puntius sarana sarana</i> (Hamilton)	..	1 ex.
17.	<i>Puntius sophore</i> (Hamilton)	..	11 exs.
18.	<i>Puntius ticto ticto</i> (Hamilton)	..	39 exs.
Subfamily		Garrinae	
19.	<i>Garra mullya</i> (Sykes)	..	12 exs.
Family		Cobitidae	
Subfamily		Noemacheilinae	
20.	<i>Noemacheilus denisonii denisonii</i> Day	..	9 exs.
21.	<i>Noemachilus semiarmatus</i> Day	..	5 exs.
Subfamily		Cobitinae	
22.	<i>Lepidocephalus thermalis</i> (Valenciennes)	..	17 exs.
Order		Siluriformes	
Family		Bagridae	
23.	<i>Mystus cavasius</i> (Hamilton)	..	2 exs.
24.	<i>Mystus montanus</i> (Jerdon)	..	1 ex.
25.	<i>Mystus vittatus</i> (Bloch)	..	3 exs.
Family		Siluridae	
26.	<i>Ompok bimaculatus</i> (Bloch)	..	2 exs.
27.	<i>Wallago attu</i> (Schneider)	..	4 exs.
Super Order		Atherinomorpha	
Order		Atheriniformes	
Family		Poecilidae	

28. *Gambusia affinis patrulis* (Baird & Girard) .. 54 ♀
 .. 30 ♂

Super Order Acanthopterygii
 Order Channiformes
 Family Channidae

29. *Channa orientalis* (Schneider) .. 1 ex.
 30. *Channa striatus* (Bloch) .. 1 ex.

Order Perciformes
 Family Cichlidae

31. *Eetroplus maculatus* (Bloch) .. 2 exs.
 32. *Sarotherodon mossambica* (Peters) .. 47 exs.

Family Mugilidae

33. *Rhinomugil corsula* (Hamilton) .. 5 exs.

Family Gobiidae

34. *Glossogobius giuris* (Hamilton) .. 14 exs.

SYSTEMATIC ACCOUNT

Salmostoma clupeioides (Bloch)

1795. *Cyprinus clupeioides* Bloch, *Naturg. Ausland. Fische*, 12 p. 49, pt. 408. fig. 2. (Type locality : Tranquebar).

Material : 6 exs., 87-107 mm. SL., Vaigai Dam., 9.11.86; 3 exs., 117-155 mm. SL., Vaigai Dam., 13.11.86; 2 exs., 68-75 mm. SL., Vaigai Dam., 14.3.87.

Distribution : India : Narmada, Tapi, Krishna, Godavery and Cauvery river systems. Recorded from Nasik, Deolali and Jabalpur.

Amblypharyngodon microlepis (Bleeker)

1853. *Leuciscus microlepis* Bleeker, *Verh. batav. Genoot. Kunst. wet.* 25, p.r. (Type locality : River Hooghly).

Material : 15 exs., 62-82 mm. SL., Vaigai Dam., 9.11.86; 11 exs., 71-85 mm. SL., Vaigai Dam., 13.11.86.

Distribution : India : Eastern and Southern India.

Danio aequipinnatus Mc Clelland

1839. *Perilampus aequipinnatus* Mc Clelland, *Asiatic Researchers*, 19, p. 393. (Type locality : Assam).

Material : 4 exs. (juv.) 19-24 mm. SL., Veerapandi., 10.11.86; 1 ex. 57 mm. SL., Pick up site, Vaigai Dam., 11.11.86; 11 exs., 68-74 mm. SL., Suruli falls., 15.3.87.

Distribution : India : Eastern Himalaya, Meghalaya and Decan. Nepal, Bangladesh, Burma, Thailand and Sri Lanka.

Remarks : Specimens collected from Suruli fall agreed with *Danio aequipinnatus* in colour pattern, presence of barbels and in number of lateral line scales but differ from it in having 9-10 branched rays in dorsal fin and 15-16 branched rays in anal fin. A critical analysis of various morphometric characters of specimens collected from various localities was taken up for the study. The results will be published elsewhere.

Rasbora (Rasbora) caverii (Jerdon)

1849. *Leuciscus caverii* Jerdon, *Madras J. Lit. & Sci.*, 15, p. 320. (Type locality : Cauvery river, Coorg State)

Material : 1 ex., 84.0 mm. SL., Vaigai Dam., 9.11.86; 3 exs., 52-87 mm., SL., Kodavanaru, near Ramayyan Patti., 23.11.86.

Distribution : India : Southern India, notably Karnataka, especially in Cauvery Basin. Sri Lanka.

Rasbora (Rasbora) daniconius (Hamilton)

1822. *Cyprinus daniconius* Hamilton, *Fish Ganges*, p. 327, pl. 15. fig. 89 (Type locality : Rivers of Southern Bengal).

Material : 1 ex., 37.0 mm. SL., Chinnamanur., 10.11.86; 4 exs., (juv.) 18-23 mm. SL., Veerapandi, 10.11.86; 4 exs., 30-42 mm. SL., Madhavan Kulam (Madurai), 7.3.87; 4 exs., (juv.) 20-24 mm. SL., Sathiar Dam., 18.3.87; 1 ex. 22.0 mm. SL., Berijam Lake, 22.3.87.

Distribution : India : Throughout India. Pakistan, Nepal, Bangladesh, Sri Lanka, Burma, Malapis and Thailand, Zanzibar.

Catla catla (Hamilton)

1822. *Cyprinus catla* Hamilton, *Fish Ganges*, p. 287, 387, pl. 13, Fig. 18. (Type locality : In the rivers and tanks of Bengal).

Material : 1 ex., 183.0 mm. SL., Theni river, 9.11.86; 1 ex., 204.0 mm. SL., Vaigai Dam, 14.3.87.

Distribution : India : Throughout India. Pakistan, Bangladesh, Burma. Introduced into South Indian rivers.

Remarks : Natarajan *et. al.*, (1977) have recognised three subspecies of *Catla catla* in Rihand Dam, based on the relative length of pectoral fin (P_s) (P_m) and (P_l). In the present collections both the specimens fall into (P_m) category i.e. Medium sized Pectoral fin.

Cirrhinus mrigala (Hamilton)

1822. *Cyprinus mrigala* Hamilton, *Fish Ganges*, p. 279, 386, pl. 6, fig. 78. (Type locality : Ponds and freshwater rivers of the Gangetic Provinces).

Material : 1 ex., 294.0 mm. SL., Vaigai Dam, 14.3.87.

Distribution : India : Throughout India, Pakistan, Bangladesh, Burma.

Cyprinus carpio communis Linnaeus

1758. *Cyprinus carpio* Linnaeus, *Syst. Nat. Ed.*, 10, I, p. 525. (Type locality : Europe).

Material : 1 ex., 163.0 mm. SL., Sathiar Dam, 6.11.86; 1 ex., 165.0 mm. SL., Parapalar Dam, 12.11.86; 1 ex., 56.0 mm. SL., Berijam Lake, 15.11.86; 2 exs., 149-207 mm. SL., Lakshmipuram, 13.3.87; 1 ex., 47.0 mm. SL., Berijam Lake, 22.3.87.

Distribution : Naturally found all over China, Japan, Taiwan, Europe, America. Introduced into Indian waters.

Labeo rohita (Hamilton)

1822. *Cyprinus rohita* Hamilton, *Fish Ganges*, p. 301, 388, pl. 1, Fig. 85. (Type locality : Freshwaters of the Gangetic Province).

Material : 2 exs., 154-190 mm. SL., Vaigai Dam, 13.11.86; 1 ex., 168.0 mm. SL., Vaigai Dam, 14.3.87.

Distribution : India : Throughout India. Pakistan, Bangladesh, Burma. Introduced into South Indian rivers and reservoirs.

Puntius arenatus (Day)

(Plate I, Fig. 1)

1878. *Barbus arenatus* Day, *Fish India*, p. 574, pl. cxlii, Fig. 7 (Type locality : Madras).

Material : 5 exs., 62-89 mm. SL., Vaigai Dam, 9.11.86.

Distribution : Madras.

Remarks : This is the first record of this species from Vaigai Dam. As it shows some differences in bio-metric characters, a detail description of the species is given:

D. iv/8, P. 1/14-16, V. 1/7/1, A. 3/5, C. 19, Ll. 24-27, L. tr. 4½/3½.

Length of head 4.30-4.69 (4.58) in TL and 3.28-3.75 (3.53) in SL; body depth 3.67-4.70 (4.34) in TL and 2.91-5.59 (3.35) in SL. Eye 3.40-3.92 (3.68) in head length; 0.75-0.96 (0.67) from snout; 1.25-1.67 (1.45) apart. Dorsal more convex than the abdomen. A pair of barbel reaches the first third of the eye. Dorsal fin

Characters	Day's Present	Species collection
1. Dorsal	2/8	4/8
2. Pectoral	15	1/14-1/16 (15-17)
3. Predorsal scales	11	9-10
4. Total length/Head length	4.75	4.30-4.79 (4.58)
5. SL/Head length	—	3.28-3.75 (3.53)
6. Total length/Body depth	4.0	4.35-4.70 (4.34)
7. Head length/Eye diameter	4.5-5.0	3.40-3.92 (3.68)
8. Snout/Eye	1.5	0.75-0.96 (0.67)
9. Inter orbital width/Eye	2	1.25-1.67 (1.45)

commences slightly nearer to the caudal end than to the snout. The last undivided dorsal ray smooth, osseous inferiorly, becoming articulated superiorly. The first two spines hidden beneath the predorsal rows of scales.

Colour : Upper half of body steel blue becoming golden on sides. In the upper half of body each scale has black dots along the outer margin. On the scales on the lateral line, the dots ceases with the upper half of the scale. Dorsal fin with black, closely packed dots on the first two soft rays and scatterly arranged dots on the other soft rays, which forms a band thicker in the beginning and lighter in the end. First two rays of the anal fin too, black tipped with dots. Caudal fin black edged.

In general it resembles *Puntius arenatus* (Day) but it differs from Day's description in the following characters.

Puntius dorsalis (Jerdon)

1849. *Systonus dorsalis* Jerdon, *Madras J. Lit. & Sci.*, p. 314, 316. (Type locality : Tanks and rivers in the neighbourhood of Madras).

Material : 6 exs., (juv.) 27-38 mm. SL., Chinnamanur, 10.11.86; 36 exs., (juv.) 20-33 mm. SL., Veerapandi, 10.11.86; 1 ex., (juv.) 33.0 mm. SL., Periakulam, 11.11.86; 3 exs., 113-124 mm. SL., Pick up site Vaigai Dam, 11.11.86; 2 exs., (juv.) 29-33 mm. SL., Forest Training College pond, 13.11.86; 1 ex., 114.0 mm. SL., Vaigai Dam, 13.11.86; 1 ex., 68.0 mm. SL., Sathiar Dam, 8.3.87.

Distribution : India : Krishna, Cauvery, Coleroon river systems in South India.

Remarks : The juveniles resemble *Puntius puckelli* (Day) in all the characters.

Puntius filamentosus (Valenciennes)

1844. *Leuciscus filamentosus* Valenciennes, *Hist. Nat. Poiss.*, 17, p. 96, pl. 492. (Type locality Alleppey, Kerala).

Material : 1 ex., 93.0 mm. SL., Vaigai Dam, 9.11.86; 14 exs., 62-85 mm. SL., Vaigai Dam, 11.11.86; 6 exs., 78-129 mm. SL., Vaigai Dam, 13.11.86.

Distribution : India : Freshwaters of Kerala, Southern karnataka, Tamil Nadu and Sri Lanka.

Puntius mahecola (Valenciennes)

1844. *Leuciscus mahecola* Valenciennes, *Hist. Nat. Poiss.*, 17, p. 305, pl. 502. (Type locality : Canara).

Material : 4 exs., 59-101 mm. SL., Vaigai Dam, 14.3.87.

Distribution : India : From Canara down the Western Coast and along the base of the Nilgiris and Travancore Hills. Sri Lanka.

Puntius malanampyx (Day)

1865. *Labeo malanampyx* Day, *Proc. zool. Soc. London*, p. 298. (Type locality : Wynaad).

Material : 106 exs., 27-48 mm. SL., Berijam Lake, 15.11.86; 26 exs., 26-55 mm. SL., Kodaikanal Lake, 17.11.87; 1 ex., 30.0 mm. SL., Berijam Lake; 22.3.87.

Distribution : India : Cauvery river and its head water streams at base of Wynaad, Nilgiri and Travancore Hills. Also known from Nallamalai Hills, Eastern Ghats.

Puntius sarana sarana (Hamilton)

1822. *Cyprinus sarana* Hamilton, *Fish Ganges*, p. 307. (Type locality : Gangetic Systems, Bengal).

Material : 1 ex., 84.0 mm. SL., Vaigai Dam, 14.3.87.

Distribution : India : Throughout India. Thailand, China, Bangladesh, Burma.

Puntius sophore (Hamilton)

1822. *Cyprinus sophore* Hamilton, *Fish Ganges*, p. 310, 319, pl. 19, Fig. 86. (Type locality : Ponds of Bengal).

Material : 2 exs., 62-71 mm. SL., Vaigai Dam, 9.11.86; 7 exs., 57-71 mm. SL., Vaigai Dam, 13.11.86; 2 exs., 37-40 mm. SL., Madhavankulam, 7.3.87.

Distribution : India : Throughout India. Pakistan, Bangladesh, Sri Lanka.

Puntius ticto ticto (Hamilton)

1822. *Cyprinus ticto* Hamilton, *Fish Ganges*, p. 314, 389, pl. 8, Fig. 87. (Type locality : Southeastern parts of Bengal).

Material : 39 exs., 20-51 mm. SL., Kodaikanal lake, 17.11.86.

Distribution : India : Throughout India. Pakistan, Bangladesh, Burma, Sri Lanka, Thailand.

Remarks : Hora and Law (1941) stated that the Peninsular forms has complete lateral line. In the present collection it was observed that the lateral line was complete in large sized forms (above 50 mm, TL) the lateral line is visible only upto 16 to 18 scale. Frequency distribution of lateral line scales and extension of posterior spot on the lateral line is given below.

Lateral Line Scales				
Ll. Scales	24	25	26	27
No. of Exs.	4	8	20	7

Extension of posterior colour spot on lateral line									
Ll. Scales	16-18	17-18	17-19	18-19	18-20	18-21	19-20	19-21	19-22
No. of exs.	1	1	4	3	15	2	3	9	1

Garra mullya (Sykes)

1841. *Chondrostoma mullya* Sykes, *Trans. zool. Soc. London*, 2 : p. 359, pl. 62, fig. 3. (Type locality : Poona waters).

Material : 12 exs., 67-98 mm. SL., Suruli fall, 15.3.87.

Distribution : India : Throughout India except Assam and Himalaya.

Noemacheilus denisonii denisonii Day

1867. *Noemacheilus denisonii* Day, *Proc. zool. Soc. Lond.*, p. 287. (Type locality : Nilgiri and Coorg Hills).

Material : 7 exs., 25-47 mm. SL., Suruli fall, 15.3.87; 2 exs., 32-38 mm. SL., Moolar river, 21.3.87.

Distribution : India : Rivers in the base of Nilgiris and Coorg Hills.

Noemacheilus semiarmatus Day

1867. *Noemacheilus semiarmatus* Day, *Proc. zool. Soc. Lond.*, p. 286. (Type locality : Bhavani and Siger rivers at base of Nilgiri Hills).

Material : 3 exs., 36-40 mm. SL., Moolar river, 21.3.87; 2 exs., 24-27 mm. SL., Myladumparai, 20.3.87.

Distribution : India : Bhavani and Siger rivers at base of Nilgiri Hills . Also known from Karnataka, likely to be obtained from the headwaters of Cauvery.

Lepidocephalus thermalis (Valenciennes)

1846. *Cobitis thermalis* Valenciennes, *Hist. nat. Poiss.*, 17, p. 78. (Type locality : Ceylon).

Material : 2 exs., 17-23 mm. SL., Veerapandi, 10.11.86 ; 12 exs., 19-31 mm. SL., Chinnamanur, 10.11.86; 1 ex., 35.0 mm. SL., Periyakulam, 11.11.86; 1 ex., 38.0 mm. SL., Thankkachiyanman patti, 20.11.86; 1 ex., 21.0 mm. SL., Madavan kulam, 7.3.87.

Distribution : India : Southern Karnataka, Kerala, Tamil Nadu, Sri Lanka.-

Mystus cavasius (Hamilton)

1822. *Pi.nelodus cavasius* Hamilton, *Fish Ganges*, p. 303, 379, pl. 11, Fig. 67. (Type locality : Gangetic Provinces).

Material : 1 ex., 140.0 mm. SL., Theni river, 9.11.86; 1 ex., 115.0 mm. SL., Vaigai Dam, 9.11.86.

Distribution : India : Throughout India. Pakistan, Bangladesh, Burma, Thailand.

Mystus montanus (Jerdon)

1849. *Baqarus montanus* Jerdon, *Madras J. Lit. & Sci.*, 15 (2), p. 338. (Type locality : Manantody river, Wynaad).

Material : 1 ex., 78.0 mm. SL., Vaigai Dam, 9.11.86.

Distribution : India : Manantody river, Wynaad, Cauvery headwaters.

Mystus vittatus (Bloch)

1797. *Silurus vittatus* Bloch, *Ichthyol. Hist. Nat.*, 11, p. 40, pl. 371, Fig. 2. (Type locality : Tranquebar, South India).

Material : 2 exs., 90-110 mm. SL., Vaigai Dam, 9.11.86; 1 ex., 75.0 mm. SL., Periyakulam, 11.11.86.

Distribution : India : Throughout India. Pakistan, Burma, Thailand, Bangladesh, Sri Lanka.

Ompok bimaculatus (Bloch)

1797. *Silurus bimaculatus* Bloch, *Syst. Ichts.*, 11, p. 17, pl. 369. (Type locality : Malabar).

Material : 1 ex., 110.0 mm. SL., Vaigai dam, 13.11.86; 1 ex, 240.0 mm. SL., Vaigai Dam, 14.3.87.

Distribution : India : Throughout India. Pakistan, Nepal, Bangladesh, Sri Lanka, Thailand, Malaya, Vietnam, East Indies, Yunnan.

Wallago attu (Bloch)

1801. *Silurus attu* Schneider, *Syst. Ichth.*, p. 378, pl. 75. (Type locality : Malabar).

Material : 1 ex., 190.0 mm. SL., Vaigai Dam, 9.11.86; 1 ex., 215.0 mm. SL., Theni river, 9.11.86; 1 ex., 246.0 mm. SL., Vaigai Dam, 13.11.86; 1 ex., 280.0 mm. SL., Vaigai Dam, 14.3.87.

Distribution : India : Throughout India. Pakistan, Burma, Bangladesh, Sri Lanka.

Gambusia affinis patruelis (Baird & Girard)

1853. *Heterandia patruelis* Baird & Girard, *Proc. Acad. nat. Sci. Philad.*, 6, p. 390. (Type locality : Rio Sabinal, Texas).

Material : 1 ♂ ex., 17.0 mm. SL., Veerapandi, 10.11.86; 1 ♀ and 8 ♂, ex., 12-21 mm. SL., Berijam Lake, 15.11.86; 5 ♀ and 7 ♂ exs., 20-27 mm. SL., Kodaikanal Lake, 17.11.86; 48 ♀ and 14 ♂ exs., 23-27 mm. SL., Berijam Lake, 22.3.87.

Distribution : India : Throughout India. Pakistan, Burma, Bangladesh, Sri Lanka.

Channa orientalis (Schneider)

1810. *Channa orientalis* Schneider, *Syst. Ichth.*, p. 496, pl. 90, Fig. 2. (Type locality : Not given).

Material : 1 ex., 64.0 mm., SL., Sathiyar Dam, 8.3.87.

Distribution : India : Throughout India. Pakistan, Afghanistan, Bangladesh, Sri Lanka, Burma, Thailand, Malaya Archipelago, Vietnam.

Channa striatus (Bloch)

1793. *Ophiocephalus striatus* Bloch, *Naturq. Ausland. Fisches*, 2, p. 141, pl. 359. (Type locality : Malabar).

Material : 1 ex., 44.0 mm. SL., Periyakulam, 11.11.86.

Distribution : India : Throughout India. Pakistan, Bangladesh, Sri Lanka, Burma, Thailand, Malaya, S. China, Philippines.

Etroplus maculatus (Bloch)

1785. *Chaetodon maculatus* Bloch, *Syst. Ichth.*, pl. 427, Fig. 2. (Type locality : Not given).

Material : 1 ex., 55.0 mm. SL., Vaigai Dam, 9.11.86; 1 ex., 46.0 mm. SL., Pickup site Vaigai Dam, 11.11.86.

Distribution : India : Tamil Nadu, Kerala, S. Kanara, Sri Lanka.

Sarotherodon mossambica (Peters)

1852. *Chromis mossambicus* Peters, *Monatsb. Akad. Wiss., Berlin*, p. 681. (Type locality Zambesi river, S. Africa).

Material : 1 ex., 133.0 mm. SL., Sathiyar Dam, 6.11.86; 7 exs., 22-65 mm. SL., VAigai Dam, 8.11.86; 2 exs. 102-131 mm. SL., Theni river, 9.11.86; 2 exs., 46-52 mm. SL., Periyakulam, 11.11.86; 5 exs., 124-154 mm. SL., Parapalar Dam, 12.11.86; 5 exs., 44-63 mm. SL., Vaigai Dam, 12.11.86; 6 exs., 110-124 mm. SL., 22.11.86; 6 exs., 52-73 mm. SL., Kodavanaru, 23.11.86; 13 exs., 39-45 mm. SL., Sathiyar Dam, 8.3.87.

Distribution : East Africa to Natal. Widely introduced in India and Pakistan.

Rhinomugil corsula (Hamilton)

1822. *Mugil corsula* Hamilton, *Fish Ganges*, p. 221, 381, pl. 8, Fig. 97. (Type locality : Rivers of Gangetic Provinces, in Southern parts of Bengal).

Material : 2 exs., 115-170 mm. SL., Vaigai Dam, 9.11.86; 2 exs., 157-162 mm. SL., Vaigai Dam, Pick up site, 11.11.86; 1 ex., 147.0 mm. SL., Vaigai Dam, 13.11.86.

Distribution : India : Gangetic Province and Southern parts of Bengal, Chilka Lake, Krishnagiri and Sathanur Reservoir across Penniar and Cauvery rivers.

Glossogobius giuris (Hamilton)

1822. *Gobius giuris* Hamilton, *Fish Ganges*, p. 51, 336, pl. 33, Fig. 15. (Type locality : Ponds and freshwaters of Gangetic Provinces).

Material : 5 exs., 94-205 mm. SL., Vaigai Dam, 9.11.86; 5 exs., 80-144 mm. SL., Vaigai Dam, 11.11.86; 4 exs., 170-225 mm. SL., Sathiyar Dam, 8.3.87.

Distribution : India : Throughout India, Pakistan, Burma, Bangladesh, Sri Lanka. This species has a wide range from the East Coast of Africa to Japan, Australia and S. Pacific.

ACKNOWLEDGEMENT

Thanks are due to Dr R.S. Pillai, Scientist 'SE' Officer-in-Charge, Southern Regional Station, Madras, for providing facilities and encouragement. I am thankful to Dr K.V. Lakshminarayana, Scientist 'SD' and Dr. Koshy Mathew, Scientist 'SD' for providing me the fish material for the study. I am thankful to Dr. K.C. Jayarama for his valuable suggestions and for confirming the identification of *P. arenatus*.

SUMMARY

The paper deals with 34 species belonging to 9 families, which were collected from Anna and Madurai Districts, Tamil Nadu. *Puntius arenatus* (Day) is reported for the first time from Vaigai Dam.

REFERENCES

- Jayarama, K.C. 1981. The freshwater fishes of India. A Hand Book. pp. 475+XIII pl.
- Natarajan, A.V., Desai, V.R., Misra, D.N. and Srivastava, N.P. 1977. Some new light on population ecology of the Gangetic Major Carp, *Catla catla* (Ham.) from Rihand Reservoir, (U.P. India). *Matsya*, **3** : 46-59.
- Selvaraj, C. and Mathew Abraham, 1986-87. Review of the Taxonomic status of *Puntius mahecola* (Valenciennes). *Matsya*, **12-13** : 20-25.
- Silas, E.G. 1953. New fishes from the Western Ghats with notes on *Puntius arutius* (Jerdon). *Rec. Indian Mus.*, **LI**, (1) : 27-37, pl.V
- Hora, S.L. and Law, N.C. 1941. The fresh water fishes of travancore. *Rec. Indian Mus.*, **43**(2) : 233-256, 1pl.