

ON A COLLECTION OF FISHES FROM TANJAVUR
AND TRICHY DISTRICTS, TAMILNADU

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INTRODUCTION

Two faunistic surveys carried out by the staff of Southern Regional Station, Zoological Survey of India, Madras, of Tanjavur and Trichy districts in 1989 and 1991 resulted in the collection of 2245 specimens of fishes. Collections were made from different localities along the river Cauvery i.e., Tanjavur, Mayanur, Trichy, Musiri, Kulithalai, Papanasam and Ammaiappan. From river Mullaiyar, which is rather a small stream, collections could be made about 4 kms, from its estuary near Vedaranyam.

50 species coming under 16 families belonging to 6 orders were identified. Of the 50 species, 9 species i.e., *Dayella malabarica* (Day), *Rasbora caverii* (Jerdon), *Mystus montanus* (Jerdon), *Gambusia affinis patruelis* (Baird and Girard), *Anabas testudineus* (Bloch), *Rhinomugil corsula* (Ham.), *Macropodus cupanus* Val., *Noemacheilus pulchellus* (Day) and *Colisa fasciatus* (Schreider) were recorded exclusively from Tanjavur district. The following 10 species i.e., *Barilius bendelisis* (Ham.), *Puntius filamentosus* (Val.), *Labeo boga* (Ham.), *Labeo dero* (Hamilton), *Labeo pungusia* (Ham.), *Mystus gulio* (Ham.), *Channa orientalis* (Sch.), *Chanda nama* (Ham.), *Xenentodon cancila* (Ham.), *Macragnathus aculeatus* (Bloch) were recorded exclusively from Trichy district.

Dayella malabarica (Day) which has so far been recorded only from the rivers of West coast, is being reported for the first time from Mullaiyar river (East coast). *Rasbora caverii* (Jerdon) and *Rhinomugil corsula* (Ham.) which have so far been recorded from River Cauvery is being reported for the first time from Mullaiyar river. *Labeo dero* (Ham.) is being reported for the first time from Cauvery river, which is so far known to occur in North Indian river.

In addition to the freshwater fishes, 99 specimens of estuarine and marine fishes were also collected from salt pans and Muthupet lagoon near Vedaranyam.

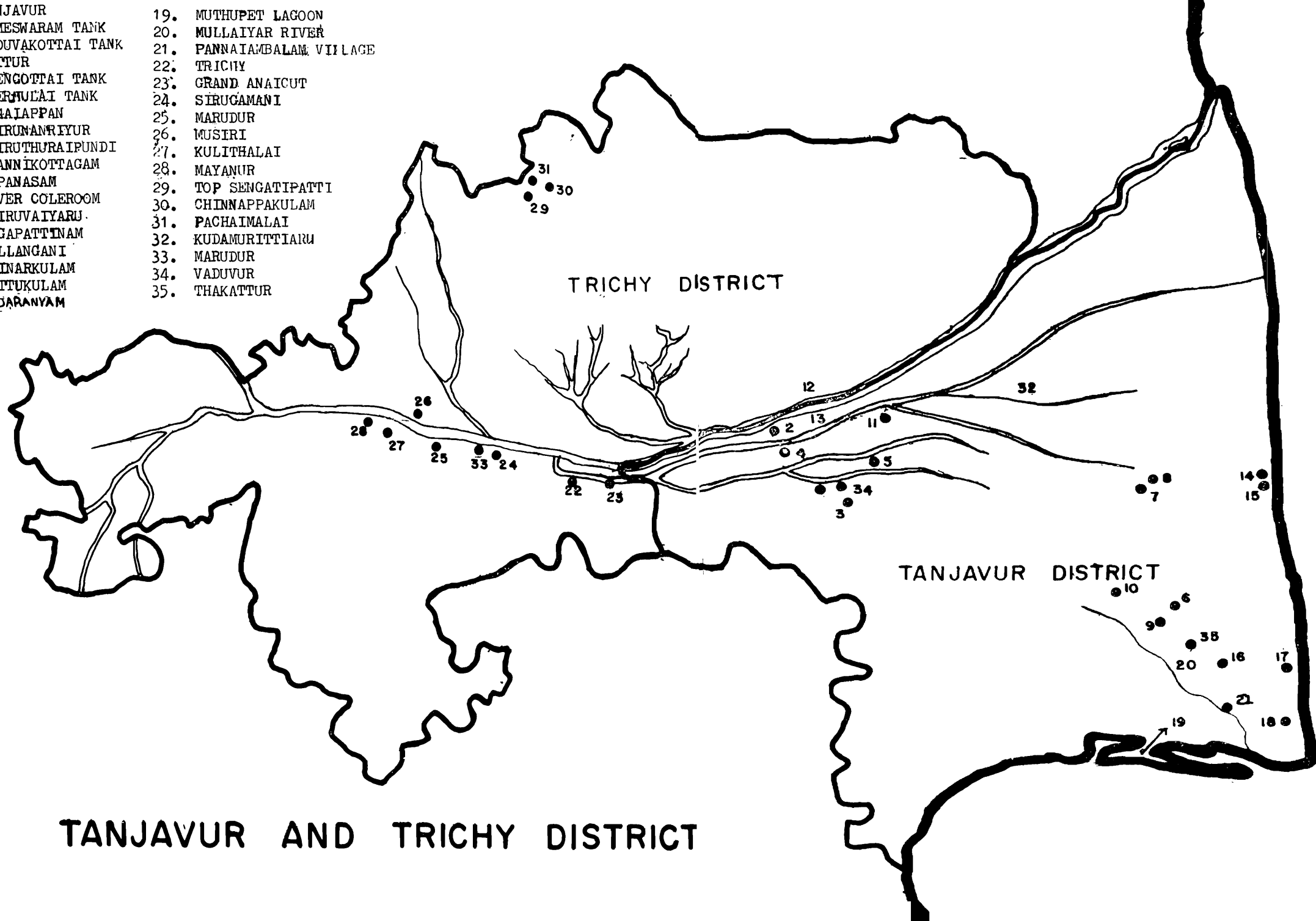
They were identified as 29 species coming under 19 families and 6 orders. The list of 29 species is given below, but no detail systematic account is given for these fishes as they are available in Talwar (1984).

LIST OF MARINE FISHES

Order :	ELOPIFORMES	
Family :	ELOPIDAE	
	<i>Albula vulpes</i> (Bloch)	— 2 exs.
	<i>Elops machnata</i> (Forsskal)	— 2 exs.
Order :	CLUPEIFORMES	
Family :	CLUPEIDAE	
Sub-family :	DOROSOMATINAE	
	<i>Nematalosa nasus</i> Blkr.	— 19 exs.
Family :	ENGRAULIDAE	
Sub-family :	ENGRAULINAE	
	<i>Thryssa malabarica</i> (Bloch)	— 5 exs.
Order :	SILURIFORMES	
Family :	BAGRIDAE	
	<i>Mystus gulio</i> (Ham.)	— 2 exs.
Order :	ATHERINIFORMES	
Family :	HEMIRAMPHIDAE	
	<i>Hyporhamphus dussumeri</i> (Val.)	— 4 exs.
	<i>Hyporhamphus limbatus</i> (Val.)	— 5 exs.
Order :	PERCIFORMES	
Family :	CHANDIDAE	
	<i>Ambassis commersonii</i> Cuvier	— 8 exs.
Family :	SILLAGINIDAE	
	<i>Sillago sihama</i> (Forsskal)	— 4 exs.

Family : LEIOGNATHIDAE	
<i>Leiognathus brevirostris</i> (Val.)	— 5 exs.
<i>Leiognathus equulus</i> (Forsskal)	— 2 exs.
Family : GERRIDAE	
<i>Gerres limbatus</i> Cuv.	— 2 exs.
<i>Gerres filamentosus</i> Cuv.	— 1 ex.
<i>Gerres oyena</i> (Forsskal)	— 2 exs.
Family : SCIAENIDAE	
<i>Dendrophysa russelli</i> (Cuv.)	— 1 ex.
Family : SCATOPHAGIDAE	
<i>Scatophagus argus</i> (Linn.)	— 3 exs.
Family : CICHLIDAE	
<i>Etroplus maculatus</i> (Bloch)	— 3 exs.
<i>Etroplus suratensis</i> (Bloch)	— 1 ex.
<i>Oreochromis mossambica</i> (Peters)	— 6 exs.
Family : MUGILIDAE	
<i>Mugil cephalus</i> Linnaeus	— 3 exs.
<i>Liza parsia</i> (Ham.)	— 7 exs.
<i>Valamugil seheli</i> (Forsskal)	— 1 ex.
Family : GOBIIDAE	
<i>Oxyurichthys microlepis</i> (Blkr.)	— 1 ex.
Family : POMADASYIDAE	
<i>Pomadasys hasta</i> (Bloch)	— 1 ex.
Family : LUTJANIDAE	
<i>Lutjanus fulviflammus</i> (Forsskal)	— 1 ex.
Family : TERAPONIDAE	
<i>Terapon jarbua</i> (Forsskal)	— 1 ex.
<i>Terapon puta</i> Cuv.	— 6 exs.
Family : PLATYCEPHALIDAE	
<i>Platycephalus indicus</i> (Linnaeus)	— 1 ex.
Order : TETRAODONTIFORMES	
Family : TRIACANTHIDAE	
<i>Triacanthus brevirostris</i> Schlegel	— 1 ex.

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|----------------------|---------------------------|
| 1. TANJAVUR | 19. MUTHUPET LAGOON |
| 2. SOMESWARAM TANK | 20. MULLAIYAR RIVER |
| 3. NEDUVAKOTTAI TANK | 21. PANNAIAMBALAM VILLAGE |
| 4. KATTUR | 22. TRICHY |
| 5. SHENGOTTAI TANK | 23. GRAND ANAICUT |
| 6. NEERULAI TANK | 24. SIRUGAMANI |
| 7. AMMAIAPPAN | 25. MARUDUR |
| 8. THIRUNANRIYUR | 26. MUSIRI |
| 9. THIRUTHURAI PUNDI | 27. KULITHALAI |
| 10. CHANNIKOTTAGAM | 28. MAYANUR |
| 11. PAPANASAM | 29. TOP SENGATIPATTI |
| 12. RIVER COLEROOM | 30. CHINNAPPAKULAM |
| 13. THIRUVAIYARU | 31. PACHAIMALAI |
| 14. NAGAPATTINAM | 32. KUDAMURITTIARU |
| 15. VELLANGANI | 33. MARUDUR |
| 16. NAINARKULAM | 34. VADUVUR |
| 17. VETTUKULAM | 35. THAKATTUR |
| 18. VADARANYAM | |



TANJAVUR AND TRICHY DISTRICT

LIST OF FRESHWATER FISHES

Order : CLUPEIFORMES

Family : CLUPEIDAE

Sub-Family : PELLONULINAE

1) *Dayella malabarica* (Day) — 2 exs.

Order : CYPRINIFORMES

Family : CYPRINIDAE

Sub-family CULTRINAE

2) *Chela (Chela) labuca* (Hamilton) — 10 exs.3) *Salmostoma boopsis* (Day) — 1 ex.4) *Salmostoma clupeoides* (Bloch) — 3 exs.

Sub-family : RASBORINAE

5) *Amblypharyngodon mellitina* (Val.) — 321 exs.6) *Barilius bendelisis bendelisis* Ham. — 36 exs.7) *Danio (Danio) aequipinnatus* (Mc Cl.) — 45 exs.8) *Esomus barbatus* (Jerdon) — 177 exs.9) *Esomus thermoicos* (Hamilton) — 252 exs.10) *Rasbora daniconius* (Hamilton) — 67 exs.11) *Rasbora caverii* (Jerdon) — 2 exs.

Sub-family : CYPRININAE

12) *Cirrhinus reba* (Hamilton) — 39 exs.13) *Labeo boga* (Hamilton) — 1 ex.14) *Labeo dero* (Hamilton) — 2 exs.15) *Labeo pangusia* (Hamilton) — 5 exs.16) *Puntius amphibius* (Valenciennes) — 48 exs.17) *Puntius chola* (Hamilton) — 55 exs.18) *Puntius dorsalis* (Jerdon) — 58 exs.19) *Puntius filamentosus* (Valenciennes) — 16 exs.20) *Puntius sarana subnastus* (Val.) — 26 exs.21) *Puntius sophore* (Hamilton) — 95 exs.

- 22) *Puntius ticto ticto* (Hamilton) — 16 exs.
 23) *Puntius vittatus* (Day) — 74 exs.
- Sub-family : GARRINAE
- 24) *Garra mullya* (Sykes) — 3 exs.
- Family : HOMALOPTERIDAE
- Sub-Family : NOEMACHEILINAE
- 25) *Noemacheilus pulchellus* Day — 13 exs.
- Family : COBITIDAE
- 26) *Lepidocephaeus thermalis* (Val.) — 99 exs.
- Order : SILURIFORMES
- Family : BAGRIDAE
- 27) *Mystus bleekeri* (Day) — 9 exs.
 28) *Mystus cavasius* (Hamilton) — 9 exs.
 29) *Mystus gulio* (Hamilton) — 6 exs.
 30) *Mystus montanus* (Jerdon) — 8 exs.
 31) *Mystus vittatus* (Bloch) — 22 exs.
- Family : SCHILBEIDAE
- 32) *Pseudeutropius athcrinoides* (Bloch) — 1 ex.
- Order : CHANNIFORMES
- Family : CHANNIDAE
- 33) *Channa orientalis* (Schneider) — 16 exs.
 34) *Channa punctatus* (Bloch) — 22 exs.
 35) *Channa striatus* (Bloch) — 3 exs.
- Order : ATHERINIFORMES
- Family : BELONIDAE
- 36) *Xenentodon cancila* (Ham.) — 9 exs.
- Family : CYPRINODONTIDAE
- 37) *Aplocheilus blochii* (Arnold) — 58 exs.
 38) *Oryzias melanostigma* (Mc Cl.) — 72 exs.

Family : POECILIDAE

39) *Gambusia affinis patruelis* (Baird & Girard) — 11 exs.

Order : PERCIFORMES

Family : CHANDIDAE

40) *Chanda nama* (Ham.) — 2 exs.

Family : CICHILIDAE

41) *Etroplus maculatus* (Bloch) — 171 exs.

42) *Oreochromis mossambica* (Peters) — 225 exs.

Family : GOBIIDAE

43) *Glossogobiu giuris* (Hamilton) — 66 exs.

Family : MUGILIDAE

44) *Liza parsia* (Hamilton) — 4 exs.

45) *Rhinomugil corsula* (Hamilton) — 1 ex.

Family : ANABANTIDAE

46) *Anabas testudineus* (Bloch) — 16 exs.

Family : BELONTIDAE

47) *Macropodus cupanus* Val. — 19 exs.

48) *Colisa fasciatus* (Schneider) — 4 exs.

Order : MASTACEMBELIFORMES

Family : MASTACEMBELIDAE

49) *Mastacembelus armatus armatus* Lacepede — 15 exs.

50) *Macrogathus aculeatus* (Bloch)—1 ex.

SYSTEMATIC ACCOUNT

Dayella malabarica (Day)

1873. *Spratelloides malabaricus* Day, *Proc. zool. Soc. London.*, p. 240 (Type locality ; Malabar).

Material : 2 exs., 36.0 mm. SL., Pannaiambalam Village, Mullaiyar River, 28.4.89 (F. 2589).

Distribution : West coast of India, ascending rivers and estuaries.

Remarks : Talwar and Whitehead (1971) described this species from rivers and estuaries of west coast. This is the first record of this species from a river namely Mullaiyar on the east coast.

Chela (Chela) labuca (Hamilton)

1822. *Cyprinus labuca* Hamilton, *Fish Ganges*, p. 260, 384 (Type locality: Ponds in northern parts of Bengal).

Material : 2 exs., 19-27 mm. SL., Sirugamani, 19.2.91 (F.3732) ; 8 exs., 25-36 mm. SL., Kanoor, Tanjavur, 6.3.91 (F. 3670).

Distribution : Orissa, Ganjam, W. Bengal, Madhya Pradesh, Assam, Burma.

Remarks : Jayaram (1982) could not collect any specimens from River Cauvery. 10 examples were collected from R. Cauvery from Sirugamani and Kanoor.

Salmostoma boopsis (Day)

1873. *Chela boopsis* Day, *Proc. zool. Soc. London*, P. 708 (Type locality : South Canara).

Material : 1 ex., 30 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2783).

Distribution : Western Ghats, South Canara, Mutha-Mula river, Poona.

Remarks : Jayaram (1982) recorded this species from Upper reaches of Cauvery i. e. Chikalur. Occurrence of yet another specimen in middle reaches of Cauvery is of great importance.

Salmostoma clupeioides (Bloch)

1822. *Cyprinus clupeioides* Bloch, *Naturg. Ausland Fische*, 12, p. 49, pl. 408, fig. 2 (Type locality : Tranquebar),

Material : 1 ex., 46 mm. SL., River Cauvery at Someswaram, 23.4.89 (F. 2505); 1 ex., 60 mm. SL., River Vennar, Tanjavur city, 23.4.89 (F. 2501); 1 ex., 105 mm. SL., Pannaiambalam Village, Mullaiyar River, 28.4.89 (F. 2594); 1 ex., 60 mm. SL. Rivery Cauvery at Kulithalai near Musiri-Kulithalai Bridge; 6.5.89 (F. 2792).

Distribution : Narmada, Tapi, Krishna, Godavary and Cauvery river systems. Also recorded from Nasik, Deolali and Jabalpur.

Amblypharyngodon melettina (Val.)

1842. *Leuciscus melettina* Valenciennes, *Hist. nat. Poiss.*, 17, p. 304, pl. 501 (Type locality: Bombay).

Material : 3 exs., 48-50 mm. SL., Vennar river, Tanjavur city, 23.4.89 (F. 2500); 47 exs., 17-30 mm. SL., Neduva-kottai Tank, 25.4.89 (F. 2530); 192 exs., Pannaiambalam village, Mullaiyar River, 28.4.89 (F. 2581); 6 exs., 24-31 mm. SL., Thannikottagam, 14 kms. south of Thiruthuraipundi, 28.4.89 (F. 2570); 44 exs., 41-66 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2142); 2 exs., 25-27 mm. SL., Ammaiappan near Thiruvarur, 1.3.91 (F. 3703); 23 exs., 24-40 mm. SL., Thirunanriyur, 4.3.91 (F. 3685); 4 exs., 20-30 mm. SL., Senduri, 23.2.91 (F. 3735).

Distribution : Western Ghats, Tamilnadu, Sri Lanka.

Barilius bendelisis bendelisis (Hamilton)

1807. *Cyprinus bendelisis* Hamilton, *Journey Mysore*, 3, p. 345, pl. 32 (Type locality: Rivers of Mysore).

Material : 8 exs., 20-27 mm. SL., River Cauvery at Trichy, 3.5.89 (F. 2611); 25 exs., 20-27 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2774); 1 ex., 113 mm. SL., River Cauvery at Mayanur canal, 7.5.89 (F. 7800); 2 exs., 28-46 mm. SL., Arasalar near Papanasam, 26.2.91 (F. 3699).

Distribution : Throughout India except Kerala, Nepal, Pakistan and Sri Lanka.

Danio (D.) aequipinnatus (Mc Clelland)

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

Material : 3 exs., 33-52 mm. SL., River Cauvery at Someswaram, 23.4.89 (F. 2503). 2 exs., 58-65 mm. SL., River Cauvery at Trichy, 3.5.89 (F. 2609) ; 26 exs., 41-51 mm. SL., Grand Anaicut at Trichy, 3.5.89 (F. 2636) ; 3 exs., 47-50 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2779) ; 5 exs., 24-54 mm. SL., River Coleroon near Musiri, 5.5.89 (F. 2913) ; 4 exs., 30-42 mm. SL., Sirugamani, Trichy, 19.2.91 (F. 3727) ; 2 exs., 19-45 mm. SL., Pallamvodai, Trichy, 22.2.91 (F. 3720).

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

Esomus barbatus (Jerdon)

1849. *Leuciscus barbatus* Jerdon, *Madras, J. Lit. & Sci.*, 15 p. 322 (Type locality : Rivers and tanks all over Mysore and Karnataka).

Material : 30 exs., 40-61 mm. SL., River Cauvery at Someswaram, 23.4.89 (F. 2502) ; 2 exs., 30 mm. SL., Neduvakottai Tank, 25.4.89 (F. 2528) ; 3 exs., 43-60 mm. SL., Neermulai Tank on the way to Vellangani, 26.4.89 (F. 2544) ; 21 exs., Pannaiambalam village, Mullaiyar River, 28.4.89 (F. 2583) ; 15 exs., 38-48 mm. SL., Thanikottakam, 14 km. South of Thiruthuraipundi, 28.4.89 (F. 2575) ; 1 ex., 66 mm. SL., Grand Anaicut, River Cauvery, 3.5.89 (F. 2634) ; 13 exs., 45-64 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2749) ; 65 exs., 25-40 mm. SL., Malvarayanallur, 27.2.91 (F. 3710) ; 27 exs., 37-42 mm. SL., Kanoor, 6.3.91 (F. 3667).

Distribution : Confined to South India up to Nellore district in Andhra Pradesh.

Remarks : This species differs from *Esomus danricus* (Hamilton) in the lateral line system extending to anal fin.

Esomus thermoicos (Valenciennes)

1842. *Nuria thermoicos* Valenciennes, *Hist. nat. Poiss.*, 16, p. 238, pl. 472 (Type locality. Sri Lanka).

Material : 62 exs., 30-35 mm. SL., Periyapalam, 1 km. from Vaduvur, 25.4.89 (F. 2537); 22 exs., 27-49 mm. SL., Neermulai Tank, on the way to Vellangani, 26.4.89 (F. 2543), 2 exs., 36-38 mm. SL., Pannaiambalam village, Mullaiyar River, 30.4.89 (F. 2584); 28 exs., 33-37 mm. SL., Thanikottakam, 14 km. South of Thiruthuraipundi, 28.4.89 (F. 2576); 2 exs., 26-30 mm. SL., Arasalar near Papanasam, 26.2.91 (F. 3695); exs., 30-36 mm. SL., Malvarayanallur, 27.2.91 (F. 3709); 13 exs., 32-41 mm. SL., Thirunanriyur, 4.3.91 (F. 3684); 2 exs., 43-45 mm. SL., Muhandnur, 1.3.91 (F. 3718).

Distribution : Tamilnadu, Kerala, Karnataka and Sri Lanka.

Rasbora (R.) daniconius (Hamilton)

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

Material : 1 ex., 47 mm. SL., River Cauvery at Someswaram, 23.4.89 (F. 2506); 14 exs., 21-25 mm. SL., Kattur, 12 km. from Tanjavur, 24.4.89 (F.2514); 1 ex., 36 mm. SL., Neduvakottai Tank, 25.4.89 (F. 2527); 20 exs., 23-31 mm. SL., Periyapalam, 1 km. from Vaduvur, 25.4.89 (F. 2539); 1 ex., 26 mm. SL., Thiruvakulam Tank on Thiruthuraipundi-Manargudi Road, 27.4.89 (F. 2556); 10 exs., 38-52 mm. SL., Pannaiambalam village, Mullaiyar River, 28.4.89 (F. 2584); 2 exs., 45-52 mm. SL., Thanikottakam, 14 km. south of Thiruthuraipundi, 28.4.89 (F. 2567); 1 ex., 70 mm. SL., Fish market, Trichy, 4.5.89 (F. 2741); 2 exs., 42 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2773); 8 exs., 35-54 mm. SL., Sirugamani., 19.2.91 (F. 3726); 1 ex., 74 mm. SL., Thirunanriyur, 4.3.91 (F. 3682); 5 exs., 20-25 mm. SL., Kanoor, 6.3.91 (F. 3668).

Distribution : Throughout India, Pakistan, Bangladesh, Sri Lanka and Malayan Archipelago.

Rasbora (R.) caverii (Jerdon)

1848. *Leuciscus caverii* Jerdon, *Madras J. Lit. & Sci.*, 15 p. 320 (Type locality : Cauvery River, Coorg State).

Material : 2 exs., 65-80 mm. SL., Pannaiambalam village, Mullaiyar River, 28.4.89 (F. 2592).

Distribution : Cauvery river, Coorg, also Hemavathy and Kabbini rivers.

Remarks : This is the first record of *Rasbora caverii* (Jerdon) from Mullaiyar river.

***Cirrhinus reba* (Hamilton)**

1822, *Cyprinus reba* Hamilton, *Fish Ganges*, p. 280, 386 (Type locality : Rivers and ponds of Bengal and Bihar).

Material : 5 exs., 100-135 mm. SL., Surakottai near Tanjavur, 24.4.89 (F. 2521); 2 exs., 127-135 mm. SL., Shengottai Tank at Thiruthuraipundi, 26.4.89 (F. 2541); 1 ex., 109 mm. SL., Nainarkulam pond on way to Nagapattinam, 26.4.89 (F. 2550); 4 exs., 80-100 mm. SL., Marudur village, 30.4.89 (F. 2598); 2 exs., 92-150 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2747); 4 exs., 110-125 mm. SL., River Cauvery, Mayanur canal at Mayanur, 7.5.89 (F. 2793); 2 exs., 110-113 mm. SL., Grand Anaicut, 3.5.89 (F. 2805); 19 exs., 80-105 mm. SL., Cauvery river at Trichy, 19.2.91 (F. 3678).

Distribution : Throughout India.

***Labeo boga* (Hamilton)**

1882. *Cyprinus boga* Hamilton, *Fish Ganges*, p. 286, 386, pl. 28, fig. 80 (Type locality : River Bramhaputra).

Material : 1 ex., 140.0 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2754).

Distribution : Rivers of Gangetic Provinces, Tamilnadu and Myanmar.

***Labeo dero* (Hamilton)**

1822. *Cyprinus dero* Hamilton, *Fish Ganges*, p. 277, 331, 385, pl. 22, fig. 78 (Type locality : R. Bramhaputra).

Material : 2 exs., 113-152 mm. SL., Cauvery river, Trichy, 19.2.91 (F. 3679).

Distribution : All along the Himalaya, Bihar, West Bengal, Orissa, Rajasthan, Afganistan, Pakistan, Bangladesh, Nepal and Myanmar.

Remarks : This is the first record of *L. dero* (Hamilton) from River Cauvery.

Labeo pangusia (Hamilton)

1822. *Cyprinus pangusia* Hamilton, *Fish Ganges*, p. 285, 386, (Type locality : River Kosi).

Material : : 4 exs., 89-97 mm. SL., Grand Anaicut, River Cauvery, near Trichy, 19.2.91 (F. 3680).

Distribution : Himalayan ranges and generally throughout Sind, Deccan, Bengal and Assam.

Puntius amphibius (Valenciennes)

1842. *Capoeta amphibia* Valenciennes, *Hist. nat. Poiss.*, 16, P. 282, pl. 478 (Type locality : Bombay).

Material : 1 ex., 56 mm. SL., Vennar river, Tanjavur, 23.4.89 (F. 2495); 43 exs., 30-70 mm. SL., Pannaiambalam village, Mullaiyar river, 28.4.89 (F. 2580); 1 ex., 48 mm. SL., Vedaranyam, 1.5.89 (F. 2606); 2 exs., 55-65 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2639 & F. 2740); 1 ex., 45 mm. SL., River Cauvery at Mayanur, Mayanur Canal, 7.5.89 (F. 2772).

Distribution : Throughout India and Sri Lanka.

Puntius chola (Hamilton)

1822. *Cyprinus chola* Hamilton, *Fish Ganges*, p. 312, 313 (Type locality : North-eastern parts of Bengal).

Material : 2 exs., 88-90 mm. SL., Shengottai Tank at Thiruthuraipundi, 26.4.89 (F. 2540); 1 ex., 42 mm. SL., Thiruvaskulam on Thiruthuraipundi-Manargudi Road, 27.4.89 (F. 2555); 15 exs., 23 mm. SL., Pannaiambalam village, Mullaiyar river, 28.4.89 (F.2578); 2 exs., 38-40 mm. SL., Thanikottakam, 14 km. South of Thiruthuraipundi, 28.4.89 (F. 2569); 1 ex., 83 mm. SL., Maruudur village, 30.4.89 (F. 2602); 28 exs., 39-75 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2640 & F. 2738); 1 ex., 44 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89

(F. 2770), 3 exs., 36-45 mm. SL., Thirunanriyur, Tanjavur, 4.3.91 (F. 3688); 1 ex., 43 mm. SL., Ammaiappan, 1.3.91 (F. 3700); 1 ex., 22 mm. SL., Malvarayanallur, 27.2.91 (F. 3715).

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

Puntius dorsalis (Jerdon)

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

Material : 6 exs., 104-122 mm. SL., Pudu canal, Tanjavur, 22.4.89 (F. 2488); 29 exs., 26-40 mm. SL., River Cauvery at Someswaram, 23.4.89 (F. 2511); 2 exs., 94-99 mm. SL., Nainarkulam on way to Nagapattinam, 26.4.89 (F. 2547); 1 ex., 41 mm. SL., Pannaiambalam village, Mullaiyar river; 28.4.89 (F. 2577); 1 ex., 60 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2739); 1 ex., 28 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2776); 2 exs., 95-98 mm. SL., River Cauvery at Mayanur, Mayanur Canal, 7.5.89 (F. 2771); 1 ex., 105 mm. SL., Grand Anaicut, 3.5.89 (F. 2804); 9 exs., 24-30 mm. SL., Pullamvodai, 22.2.91 (F. 3721); 1 ex., 20 mm. SL., Malvarayanallur, 27.2.91 (F. 3716); 5 exs., 30-31 mm. SL., Kudamuruttiaru, 28.2.91 (F. 3731).

Distribution : River systems of Krishna, Cauvery, Coleroon in Southern India and Sri Lanka.

Puntius filamentosus (Valenciennes)

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

Material : 2 exs., 66-80 mm. SL., Vennar river, Tanjavur, 23.4.89 (F. 2497); 3 exs., 95 mm. SL., Grand Anaicut, River Cauvery, 3.5.89 (F. 2629 & F. 2637); 3 exs., 26-90 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2777); 8 exs., 80-90 mm. SL., River Cauvery at Mayanur, Mayanur canal, 7.5.89 (F. 2798).

Distribution : Freshwaters of Kerala, Southern Karnataka, Tamilnadu and Sri Lanka.

Puntius sarana subnasutus (Valenciennes)

1865. *Cyclochelichthys Pinnauratus* Day, *Proc. zool. Soc., London*, p. 300 (Type locality : Wynaad).

Material : 3 exs., 76-90 mm. SL., Vennar river, Tanjavur, 23.4.89 (F. 2496) ; 1 ex., 145 mm. SL., Surakottai Tank near Tanjavur, 24.4.89 (F. 2522) ; 4 exs., 75-100 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2736) ; 2 exs., 95-105 mm. SL., River Cauvery at Mayanur ; Mayanur canal, 7.5.89 (F. 2768) ; 15 exs. 74-145 mm. SL., Grand Anaicut, River Cauvery, 3.5.89 (F. 2803) ; 1 ex., 85 mm. SL., Cauvery River near Trichy, 19.2.91 (F. 3675).

Distribution : River Krishna in Andhra Pradesh, and river Cauvery in Karnataka and Tamilnadu.

Puntius sophore (Hamilton)

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

Material : 1 ex., 45 mm. SL., River Cauvery, Someswaram, 23.4.89 (F. 2509) ; 1 ex., 47 mm. SL., Kattur, 12 km. from Tanjavur, 24.4.89 (F. 2516) ; 3 exs., 30-40 mm. SL., Neduvakottai Tank, 25.4.89 (F. 2529) ; 37 exs., 30-50 mm. SL., Pannaiambalam village, Mullaiyar, 28.4.89 (F. 2579) ; 1 ex., 47 mm. SL., River Cauvery at Trichy, 3.5.89 (F. 2635) ; 34 exs., 39-84 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2641) ; 2 exs., 34-35 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2769) ; 1 ex., 38 mm. SL., Arasalar near Papanasam, 26.2.91 (F. 3693) ; 9 exs., 25-32 mm. SL., Thakattur, 27.2.91 (F. 3708) ; 1 ex., 28 mm. SL., Malvarayanallur, 27.2.91 (F. 3714) ; 1 ex., 45 mm. SL., Ammaiappan, 1.3.91 (F. 3701) ; 2 exs., 37-47 mm. SL., Thirunanriyur, 4.3.91 (F. 3687).

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

Puntius ticto ticto (Hamilton)

1822. *Puntius ticto* Hamilton, *Fish Ganges*, p. 314, 389, pl. 8, fig. 87 (Type locality : South-eastern parts of Bengal).

Material : 2 exs., 13-24 mm. SL., Kattur, 12 mm. from Tanjavur, 24.4.89

(F. 2515); 6 exs., 21-32 mm. SL., Periyapalam, 1 km. from Vaduvur, 25.4.89 (F. 2535); 2 exs., 24-32 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2775); 1 ex., 32 mm. SL., River Cauvery at Mayanur, Mayanur canal, 7.5.91 (F. 2799); 2 exs., 26-29 mm. SL., Sirugamani, 19.2.91 (F. 3728); 1 ex., 24 mm. SL., Thakattur, 27.2.91 (F. 3706); 2 exs., 18-21 mm. SL., River Cauvery near Thiruvaiyaru, 28.2.91 (F. 3673).

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

***Puntius vittatus* Day**

1865. *Puntius vittatus* Day, *Proc. zool. Soc. London*, p. 303 (Type locality : Madras).

Material : 1 ex., 23 mm. SL., Periyapalam, 1 km. from Vaduvur, 25.4.89 (F. 2534); 71 exs., 23-28 mm. SL., Pannaiambalam village, Mullaiyar river, 28.4.89 (F. 2590); 2 exs., 20-21 mm. SL., Thanikottakam, 14 km. South of Thiruthuraipundi, 28.4.89 (F. 2568).

Distribution : Karnataka, Kerala, Tamilnadu, also Goa, Kutch, Rajasthan, Sri Lanka and Pakistan.

***Garra mullya* (Sykes)**

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

Material : 3 exs., 64-95mm. SL., Cauvery river near Tanjavur, 19.2.91 (F. 3675).

Distribution : Throughout India, except Assam and Himalaya.

***Noemacheilus pulchellus* Day**

1873. *Noemacheilus pulchellus* Day, *J. Linn. Soc. London*, 11, p. 528 (Type locality : Bhavani River, Nilgiris).

Material : 1 ex., 26 mm. SL., Kudamuruttiaru, Tanjavur, 28.2.91 (F. 3729); 10 exs., 14-35 mm. SL., Arasaḷar near Papanasam, 26.2.91 (F. 3734).

Distribution : Bhavani and Cauvery river systems in South India.

Lepidocephalus thermalis (Valenciennes)

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

Material : 3 exs., 29-39 mm. SL., River Cauvery at Someswaram, 23.4.89 (F. 2508); 61 exs., 27-41 mm. SL., Periyapalam, 1 km. from Vaduvur, 25.4.89 (F. 2531). 6 exs., 37 mm. SL., Thanikottakam, 14 km. south of Thiruthuraipundi, 28.4.89 (F. 2573); 13 exs., 30-37 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2780); 3 exs., 30-38 mm. SL., River Cauvery at Kulithalai, 6.5.89 (F. 2789); 1 ex., 35 mm. SL., River Cauvery at Mayanur, Mayanur Canal, 7.5.89 (F. 2797); 1 ex., 29 mm. SL., River Coleroon, near Silayathi, 5.5.89 (F. 2912); 2 exs., 30 mm. Pallamvodai, 22.2.91 (F. 3719); 2 exs., 20-27 mm. SL., Malvarayanallur, 27.2.91 (F. 3711); 1 ex., 36 mm. SL., Thakattur, 27.2.91 (F. 3706); 6 exs., 23-37 mm. SL. Thirunanriyur, 4.3.91 (F. 3683).

Distribution : Southern Karnataka, Kerala, Tamilnadu and Sri Lanka.

Mystus bleekeri (Day)

1846. *Bagrus Reletius* Valenciennes, *Nat. Geneesh Arch. Ned. Ind.*, 3 (2), p. 135 (Type locality: Bengal).

Material : 5 exs., 75-95 mm. SL., Pudu canal, Tanjavur city, 22.4.89 (F. 2493); 1 ex., 76 mm. SL., Grand Anaicut, Trichy, 3.5.89 (F. 2633); 1 ex., 90 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2734); 2 exs., 70-80 mm. SL., Cauvery river near Trichy, 19.2.91 (F. 3677).

Distribution : Throughout India, Pakistan, Bangladesh and Myanmar.

Mystus cavasius (Hamilton)

1822. *Pimelodus cavasius* Hamilton, *Fish Ganges* p. 203, 379, pl. II, fig. 67 (Type locality : Gangetic Provinces).

Material : 2 exs., 78-91 mm. SL., Pudu canal, Tanjavur city, 22.4.89 (F. 2491); 4 exs., 70-85 mm. SL., Vennar river, Tanjavur, 23.4.89 (F. 2493); 3 exs., 80-85 mm.

SL., Grand Anaicut, Trichy, 3.5.89 (F. 2632 & F. 2807).

Distribution : Throughout India, Pakistan, Bangladesh and Thailand.

***Mystus montanus* (Jerdon)**

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

Material : 2 exs., 60-65 mm. SL., Vennar River, Tanjavur city, 23.4.89 (F. 2499); 1 ex., 77 mm. SL., Surakottai near Tanjavur, 24.4.89 (F. 2523); 5 exs., 53-85 mm. SL., Pannaiambalam Village, Mullaiyar River, 28.4.89 (F. 2588).

Distribution : Manantoddy, Wynaad, Cauvery head waters.

***Mystus gulio* (Hamilton)**

1822. *Pimelodus gulio* Hamilton, *Fish Ganges*, p. 201, 379, pl. 23., fig. 6 (Type locality : Gangetic estuaries).

Material : 1 ex., 120 mm. SL., Nainarkulam on way to Nagapattinam, 26.4.89 (F. 2552); 4 exs., 82-92 mm. SL., Mullaiyar River at Thiruthuraipundi, 28.4.89 (F. 2558), 1 ex., 140 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2733).

Distribution : Throughout India, Pakistan, Bangladesh, Thailand, Sri Lanka (in fresh water, estuaries and even in seas).

***Mystus vittatus* (Bloch)**

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

Material : 1 ex., 73 mm. SL., Pudu canal, Tanjavur city, 22.4.89 (F. 2492); 20 exs., 67-100 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2735); 1 ex., 44 mm. SL., River Cauvery at Mayanur Canal, 7.5.89 (F. 2767).

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

Pseudentropius atherinoides (Bloch)

1797. *Silurus atherinoides* Bloch, *Naturges, Ausland, Fisches*, 8, p. 48, pl. 371, fig. 1. (Type locality : Pondicherry).

Material : 1 ex., 38 mm. SL., Thirunanriyur, 4.3.91 (F. 3690).

Distribution : Throughout India, Pakistan, Bangladesh except Kerala and Assam.

Channa orientalis (Schneider)

1801. *Channa orientalis* Schneider, *Syst. Ichth. Bloch.*, p. 496, pl. 90, fig. 2 (Type locality : Ponds and ditches of Bengal).

Material : 1 ex., 110 mm. SL., River Cauvery at Kulithalai, 6.5.89 (F. 2790); 8 exs., 32-105 mm. SL., Chinnappakulam on Nallampatti-Pachaimalai Road, 10.5.89 (F. 2810); 1 ex., 54 mm. SL., Top Sengatipatti, 10.5.89 (F. 2811); 2 exs., 51-63 mm. SL., Arasalar near Papanasam, 26.2.91 (F. 3698); 10 exs., 25-74 mm. SL., Senduri, 23.2.91 (F. 3736).

Distribution : Throughout India, Pakistan, Afganistan, Bangladesh, Sri Lanka and Thailand.

Channa punctatus (Bloch)

1793. *Ophiocephalus punctatus* Bloch, *Naturges. Ausland. Fisches*, 2 p. 139, pl. 358 (Type locality : Karnataka coast).

Material : 8 exs., 29-90 mm. SL., Kathur, 12 km. from Tanjavur, 24.4.89 (F. 2518); 1 ex., 126 mm. SL., Neduvakottai Tank, 25.4.89 (F. 2527); 2 exs., 126-140 mm. SL., Nainarkulam on way to Nagapattinam, 26.4.89 (F. 2551); 2 exs., 75 mm. SL., Pannaiambalam Village, Mullaiyar River, 28.4.89 (F. 2595); 1 ex., 85 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2643 & F. 2753); 1 ex., 53 mm. SL., Arasalar, 26.2.91 (F. 3697); 2 exs., 102-116 mm. SL., Challampatti, Tanjavur, 2.3.91 (F. 3691); 1 ex., 96 mm. SL., Kanoor, 6.3.91 (F. 3669).

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

Channa striatus (Bloch)

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

Material : 2 exs., 120-180 mm. SL., Pannaiambalam village, Mullaiyar River, 28.4.89 (F. 2596); 1 ex., 195 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2572).

Distribution : Throughout India, Pakistan, Bangladesh, Sri Lanka, Thailand, South China and Philippines.

Xenentodon cancila (Hamilton)

1822. *Esox cancila* Hamilton, *Fish Ganges*, p. 213, 380, pl. 27, fig. 70 (Type locality : Gangetic provinces).

Material : 1 ex., 137 mm. SL., Grand Anaicut, Trichy, 3.5.89 (F. 2809); 1 ex., 210 mm. SL., River Cauvery at Kulithalai, 6.5.89 (F. 2791); 1 ex., 43 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2786); 6 exs., 97-115 mm. SL., Thakkatur, 27.2.91 (F. 3692).

Distribution : Throughout India, Bangladesh, Sri Lanka, Thailand and Malaysia.

Aplocheilus blochii (Arnold)

1911. *Haplocheilus panchax* var *blochii* Arnold, *Wschr. Terrarienk.*, 8, p. 672 (Type locality : Madras).

Material : 1 ex., 22 mm. SL., Periyapalam, 1 km. from Vaduvur, 25.4.89 (F. 2538); 41 exs., 12-26 mm. SL., Pannaiambalam Village, Mullaiyar River, 28.4.89 (F. 2587); 16 exs., 15-26 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2784).

Distribution : Peninsular India and Sri Lanka.

Oryzias melastigma (Mc Clelland)

1839. *Aplocheilus melastigma* Mc Clelland, *Asiat. Res.* 19, p. 301, 427, pl. 42, fig. 3 (Type locality : Tanks at Calcutta).

Material : 13 exs., 14-20 mm. SL., Thanikottakam, 14 km. south of Thiruthurai-pundi, 28.8.89 (F. 2574); 2 exs., 18-19 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2785); 4 exs., 22-28 mm. SL., Arasalar, 26.2.91 (F. 3694); 3 exs., 18-20 mm. SL., Malvarayanallur, 27.2.91 (F. 3713); 3 exs., 18-20 mm. SL., Kudamuruttiaru, 28.2.91 (F. 3733); 4 exs., 13-21 mm. SL., Ammaiappan, 1.3.91 (F. 3704); 43 exs., 16-22 mm. SL., Thirunanriyur, 4.3.91 (F. 3689).

Distribution : Throughout India, Pakistan, Bangladesh, Sri Lanka. Introduced for larvicidal use.

Gambusia affinis patruelis (Baird & Girard)

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

Material : 11 exs., 15-22 mm. SL., Nainarkulam, 20 km. south of Thanikottakam, Thiruthuraipundi, 28.4.89 (F. 2560).

Distribution : Throughout India, Pakistan, Bangladesh, Sri Lanka. Exotic fish introduced in the fresh water ponds all over India for larvicidal use.

Chanda nama Hamilton

1822. *Chanda nama* Hamilton, *Fish Ganges* p. 109, 371, pl. 89, fig. 37 (Type locality : Bengal).

Material : 1 ex., 67 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2738); 1 ex., 80 mm. SL., River Cauvery at Mayanur, Mayanur canal, 7.5.89 (F. 2801).

Distribution : Throughout India, Pakistan, Nepal, and Bangladesh.

Etroplus maculatus (Bloch)

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

Material : 41 exs., 64-70 mm. SL., Pudu Canal, Tanjavur City, 22.4.89 (F. 2490); 1 ex., 50 mm. SL., River Cauvery at Someswaram, 23.4.89 (F. 2504); 45 exs., 10-31 mm. SL., Kattur, 12 km. from Tanjavur, 24.4.89 (F. 2512); 1 ex., 41 mm. SL., Surakottai near Tanjavur, 24.4.89 (F. 2520); 54 exs., 20-60 mm. SL.,

Pannaiambalam Village, 28.4.89 (F. 2586); 1 ex., 17 mm. SL., Nainarkulam 20 km. south of Thiruthuraipundi, 28.4.89 (F. 2565); 1 ex., 34 mm. SL., Vedaranyam, 1.5.89 (F. 2605); 1 ex., 50 mm. SL., River Cauvery at Trichy, 3.5.89 (F. 2608); 2 exs., 25-30 mm. SL., River Cauvery at Musiri-Kulithalai, Bridge, 6.5.89 (F. 2781) 8 exs., 27-40 mm. SL., River Cauvery at Kulithalai, 6.5.89 (F. 2788); 8 exs., 30-54 mm. SL. River Cauvery at Mayanur, Mayanur canal, 7.5.89 (F. 2796); 2 exs., 30-40 mm. SL., River Coleroon near Silayathi, 5.5.89 (F. 2914); 1 ex., 24 mm. SL., Pallam vodai, 22.2.91 (F. 3723); 3 exs., 30-41 mm. SL., Sirugamani, 19.2.91 (F. 3725); 1 ex., 28 mm. SL., Thakkatur, 27.2.91 (F. 3705); 1 ex., 53 mm. SL., River Cauvery at Thiruvaiyaru, 28.2.91 (F. 3671).

Distribution : Tamilnadu, Kerala, South Karnataka and Sri Lanka.

Oreochromis mossambica (Peters)

1852. *Chromis mossambica* Peters, *Monatsh Akad. Wiss.* Berlin, p. 681 (Type locality : Zambesi river, S. Africa).

Material : 1 ex., 21 mm. SL. Kattur, 12 km. from Tanjavur, 24.4.89 (F.2513); 5 exs., 69-90 mm. SL., Surakottai near Tanjavur, 24.4.89 (F. 2519); 4 exs., 20-40 SL., Neduvakottai Tank, 25.4.89 (F. 2524); 11 exs., 24-40 mm. SL., Periyapalam, 1 km. from Vaduvar, 25.4.89 (F. 2533); 2 exs., 92-95 mm. SL., Shengottai Tank, Thiruthuraipundi, 26.4.89 (F. 2542); 2 exs., 107-115 mm. SL., Nainarkulam on way to Nagapattinam, 26.4.89 (F. 2548); 3 exs., 90-105 mm. SL., Mullaiyar River at Thiruthuraipundi, 28.4.89 (F. 2561); 21 exs., 15-78 mm. SL., Pannaiambalam Village, Mullaiyar River, 28.4.89 (F. 2585); 2 exs., 70-105 mm. SL., Marudur Village, 30.4.89 (F. 2601); 13 exs., 10-27 mm. SL., Vedaranyam, 1.5.89 (F. 2604); 80 exs., 14-69 mm. SL., River Cauvery at Trichy, 3.5.89 (F. 2607); 9 exs., 18-125 mm. SL., River Cauvery at Musiri-Kulithalai Bridge, 6.5.89 (F. 2782); 12 exs., 25-100 mm. SL., River Cauvery at Kulithalai, 6.5.89 (F. 2787); 7 exs., 19-72 mm. SL., River Cauvery at Mayanur, Mayanur canal, 7.5.89 (F. 2795); 12 exs., 87-100 mm. SL., Cauvery River, 17.2.91 (F. 3717); 1 ex., 40 mm. SL., Pallam vodai, 22.2.91 (F. 3717); 22 exs., 16-30 mm. SL., River Cauvery at Thiruvaiyaru, 28.2.91 (F. 3672); 18 exs., 20-39 mm. SL., Thirunanriyur, 4.3.91 (F. 3686).

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

Glossogobius giuris (Hamilton)

1822. *Gobius giuris* Hamilton, *Fish Ganges*, p. 51, 366., pl. 33, fig. 15 (Type locality : Ponds, and fresh waters of Gangetic Provinces).

Material : 24 exs., 86-120 mm. SL., Pudu canal, Tanjavur City, 22.4.89 (F. 2489); 7 exs., 37-60 mm. SL., Kattur, 12 km. from Tanjavur city, 24.4.89 (F. 2517); 3 exs., 20-30 mm. SL., Neduvakottai Tank, 25.4.89 (F. 2526); 1 ex., 30 mm. SL., Periyapalam, 1 km. from Vaduvur, 25.4.89 (F. 2532); 1 ex., 127 mm. SL., Nainarkulam at Thiruthuraipundi, 28.4.89 (F. 2560); 20 exs., 20-63 mm. SL., Pannaiambalam Village, Mullaiyar river, 28.4.89 (F. 2582); 3 exs., 43-48 mm. SL., Nainarkulam, 20 km. south of Thiruthuraipundi, 28.4.89 (F. 2564); 1 ex., 130 mm. SL., Marudur Village, 30.4.89 (F. 2599); 1 ex., 130 mm. SL., Fish Market, Trichy, 14.5.89 (F. 2750); 1 ex., 150 mm. SL., River Cauvery at Mayanur, Mayanur Canal, 7.5.89 (F. 2794); 3 exs., 127-190 mm. SL., Grand Anaicut, Trichy, 3.5.89 (F. 2806); 1 ex., 30 mm. SL., Malvarayanallur, 27.2.91 (F. 3712).

Distribution : Throughout India, Pakistan, Nepal, Bangladesh, Sri Lanka. From East Coast of Africa to Japan, Australia and South Pacific.

Liza parsia (Hamilton)

1822. *Mugil parsia* Hamilton, *Fish Ganges*, p. 215, 380, pl. 17, fig. 71 (Type locality : Freshwater Rivers of Bengal).

Material : 2 exs., 140-155 mm. SL., Mullaiyar river at Thiruthuraipundi, 28.4.89 (F. 2563); 1 ex., 61 mm. SL., Pudu canal, Tanjavur city, 22.4.89 (F. 2494); 1 ex., 140 mm. SL., Marudur village, 30.4.89 (F. 2600).

Distribution : Coasts of Maharashtra, Kerala, West Bengal, Pakistan, and Sri Lanka.

Rhinomugil corsula (Hamilton)

1822. *Mugil corsula* Hamilton, *Fish Ganges*, p. 221, 381, pl. 8, fig. 91 (Type locality : River in Gangetic provinces, Southern parts of Bengal).

Material : 1 ex., 135 mm. SL., Mullaiyar River near Thiruthuraipundi, 28.4.89 (F. 2562).

Distribution : River Ganges, Chilka Lake, Krishnagiri and Sathannur reservoir across Pennaiar and River Cauvery.

Remarks : This is the first record of *Rhinomugil corsula* from Mullaiyar River.

Anabas testudineus (Bloch)

1792. *Anabas testudineus* Bloch, *Naturl. Ausland Fishes.*, 6, p. 121, pl. 322. (Type locality: Japan and East Indies)

Material : 3 exs., 75-85 mm. SL., Nainarkulam on way to Nagapattinam, 26.4.89 (F. 2553); 6 exs., 75-105 mm. SL., Vettukulam, Vellakudi, 27.4.89 (F. 2557); 3 exs., 66-93 mm. SL., Mullaiyar River at Thiruthuraipundi, 28.4.89 (F. 2559); 4 exs., 40-100 mm. SL., Pannaiambalam Village, Mullaiyar River, 28.4.89 (F. 2593).

Distribution : Throughout India, Pakistan, Sri Lanka, Bangladesh, Thailand, China and Philippines.

Macropodus cupanus Valenciennes

1831. *Macropodus cupanus* Valenciennes, *Hist. nat. Poiss.*, 7, p. 357 (Type locality : Arian Coopam river, Pondicherry).

Material : 1 ex., 20 mm. SL., Neermulai on way to Vellangani, 26.4.89 (F. 2546); 9 exs., 22-31 mm. SL., Thiruvacakulam on Thiruthuraipundi-Mannargudi Road; 27.4.89 (F. 2554); 3 exs., 21-24 mm. SL., Pannaiambalam village, Mullaiyar River, 28.4.89 (F. 2591); 4 exs., 28-34 mm. SL., Thannikottakam, 14 km. south of Thiruthuraipundi, 28.4.89 (F. 2571); 2 exs., 15-25 mm. SL., Arasalar near Papanasam, 26.2.91 (F.3696).

Distribution : Bhavani river and rivers at base of Nilgiri, South Kanara hills. Also in Coramandal coasts.

Remarks : Hora (1937) recorded this species from river Cauvery. Jayaram (1982) could not get any specimen from Cauvery. In the present collection of 19 examples, 2 specimens were collected from River Arasalar, i. e., tributary of river Cauvery.

Colisa fasciatus (Schneider)

1801, *Trichogaster fasciatus* Bloch & Schneider, *Syst. Ichth.* p. 164, fig. 36 (Type locality Bengal).

Material : 2 exs., 22 mm. SL., Periyapalam, 1 km. from Vaduvur, 25.4.89 (F. 2536); 1 ex., 26 mm. SL., Neermulai Tank on way to Vellangani, 26.4.89 (F. 2545); 1 ex., 32 mm. SL., Thanikottakam, 14 km. south of Thiruthuraipundi, 28.4.89 (F. 2572).

Distribution : Tamilnadu, Andhra Pradesh, Bihar, Punjab, Uttar Pradesh, Orissa, Assam, Pakistan, Bangladesh and Mayanmar.

Mastacembelus armatus armatus Lacepede

1800. *Macrogathus armatus* Lacipide, *Hlst. nat. Poiss.*, 2, p. 283 (Type locality : Not given).

Material : 13 exs., 139-207 mm. SL., Pudu canal, Tanjavur city, 22.4.89 (F. 2487), 1 ex., 111 mm. SL., River Cauvery at Someswaram, 23.4.89 (F. 2507); 1 ex., 340 mm. SL., River Cauvery at Mayanur, Mayanur canal, 7.5.89 (F. 2802).

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

Macrogathus aculeatus (Bloch)

1787. *Ophidium aculeatus* Bloch, *Ichthyologie*, 5 p. 60, pl. 159, fig. 2 (Type locality : East Indies).

Material : 1 ex., 194 mm. SL., Fish Market, Trichy, 4.5.89 (F. 2751).

Distribution : Throughout India, Pakistan, Sri Lanka, Bangladesh, Thailand and China.

SUMMARY & CONCLUSIONS

Based on the collections worked out and the results achieved thereof, some conclusions were drawn on the comparative richness of the Ichthyofauna of Tanjavur and Trichy Districts. The analysis were depicted in the form of Tables I, II and III. Of the 2229 exs. studied, belonging to 50 species, collected from both the districts, a total of 1657 exs. (74.34%) referable to 44 species (88%) were collected from Tanjavur

District. This clearly indicates that Tanjavur district, fish fauna is much more richer, quantitative as well as qualitative wise than Trichy district [No. Exs. 572 (25.66%) & No. Sps. 36 (72%) in Trichy district]. This is perhaps due to the prevalence of ponds and other wet water bodies of Tanjavur District.

The three major source of collections i. e. River Cauvery, River Mullaiyar and ponds were analysed for their species diversity and abundance (Table III). River Cauvery ranked 1st [No. Exs. 909 (40.78%) and No. Sps. 43 (86%)]. The ponds occupied the 2nd place [No. Exs. 750 (33.65%) and No. Sps. 27 (52.5%)], River Mullaiyar ranks 3rd [(No. Exs. 570 (25.77% and No. Sps. 25 (51.5%)).

Of the 50 species recorded, the following 19 species were encountered exclusively in River Cauvery, *Chela (Chela) labuca* (Ham.), *Salmostoma boopsis* (Day), *Barilius bendelisis bendelisis* (Ham.), *Danio aequipinnatus* (Mc. Cl.), *Labeo dero* (Ham.), *Labeo boga* (Ham.), *Labeo pangusia* (Ham.), *Puntius filamentosus* (Val.), *Puntius sarana subnasutus* (Val.), *Garra mullya* (Sykes), *Noemacheilus pulchellus* (Day), *Mystus bleekeri* (Day), *Mystus cavasius* (Ham.), *Mystus vittatus* (Bloch), *Pseudeutropius atherinoides* (Blkr.), *Chanda nama* (Ham.), *Mastacembelus armatus armatus* Lacepede, and *Macrogathus aculeatus* (Bloch). The following four species were encountered exclusively in River Mullaiyar: *Dayella malabarica* Day, *Rasbora caverii* (Jerdon), *Rhinomugil corsula* (Ham.) and *Puntius vittatus* (Day). Only two species i. e., *Gambusi affinis patruelis* (Baird & Girard) and *Colisa fasciatus* (Schneider) were recorded exclusively from ponds.

In the light of the above facts and figures, based on the relative abundance of the fish fauna (No. of species recorded) the species were graded as extremely rare, rare, fairly common and common, as presented in the Table I.

Apart from listing 50 freshwater species from Tanjavur and Trichy Districts, 4 new records i. e. *Dayella malabarica* (Day) from East Coast river, *Rasbora caverii* (Jerdon) and *Rhinomugil corsula* (Ham.) from River Mullaiyar and *Labeo dero* from River Cauvery were reported in this paper.

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Table I : Showing Species Diversity, Abundance, collected from Tanjavur and Trichy Districts, Tamilnadu.

Sl. No.	Name of the Species	Specimen collected from					Specimens collected from						Remarks
		Trichy Dist.		Tanjavur Dist.		Total	R. Cauvery		R. Mullaiyar		Ponds		
		No.	%	No.	%		No.	%	No.	%	No.	%	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	<i>Dayella malabarica</i> (Day)	—	—	2	100	2	—	—	2	100	—	—	Extremely Rare
2.	<i>Chela (Chela) labuca</i> (Ham.)	2	20	8	80	10	10	100	—	—	—	—	Rare
3.	<i>Salmostoma boopsis</i> (Day)	1	100	—	—	1	1	100	—	—	—	—	Rare
4.	<i>Salmostoma clupeoides</i> (Bloch)	1	25.0	3	75.0	4	3	75.0	1	25.0	—	—	Rare
5.	<i>Amblypharyngodon mellitina</i> (Val.)	48	14.95	273	85.05	321	49	15.26	192	59.81	80	24.92	Common
6.	<i>Barilius bendelisis bendelisis</i> (Ham.)	34	94.44	2	5.55	36	36	100	—	—	—	—	Common
7.	<i>Danio aequipinnatus</i> (Mc Cl.)	42	93.33	3	6.67	45	45	100	—	—	—	—	Common
8.	<i>Esomus barbatus</i> (Jerdon)	14	7.91	163	92.09	177	44	24.86	21	11.86	112	63.28	Common (in ponds)
9.	<i>Esomus thermoicos</i> (Val.)	—	—	242	100	242	2	0.83	2	0.83	238	98.35	Common (in ponds)
10.	<i>Rasbora daniconius</i> (Ham.)	16	23.88	51	76.12	67	13	19.40	10	14.92	44	65.67	Common
11.	<i>Rasbora caverii</i> (Jerdon)	—	—	2	100	2	—	—	—	—	—	—	Rare

1.	2	3	4	5	6	7	8	9	10	11	12	13	14
12.	<i>Cirrhinus reba</i> (Ham.)	31	79.49	8	20.51	39	27	69.23	—	—	12	30.77	Common
13.	<i>Labeo boga</i> (Ham.)	1	100	—	—	1	1	100	—	—	—	—	Rare
14.	<i>Labeo dero</i> (Ham.)	2	100	—	—	2	2	100	—	—	—	—	Rare
15.	<i>Labeo pangusia</i> (Ham.)	4	100	—	—	4	4	100	—	—	—	—	Rare
16.	<i>Puntius amphibius</i> (Val.)	3	6.25	45	93.75	48	4	8.33	43	89.58	1	2.08	Fairly common
17.	<i>Puntius chola</i> (Ham.)	30	54.55	25	45.45	55	29	52.73	16	27.27	11	20.0	Fairly common
18.	<i>Puntius dorsalis</i> (Jerdon)	14	24.19	44	75.86	58	55	94.83	1	1.72	2	3.45	Fairly common
19.	<i>Puntius filamentosus</i> (Val.)	14	87.5	2	12.5	16	16	100	—	—	—	—	„
20.	<i>Puntius sarana subnasutus</i> (Val.)	22	84.61	4	15.38	26	26	100	—	—	—	—	„
21.	<i>Puntius sophore</i> (Ham.)	37	39.78	56	60.22	93	41	44.08	37	39.78	15	16.13	„
22.	<i>Puntius ticto ticto</i> (Ham.)	6	37.5	10	62.5	16	7	43.75	—	—	9	56.25	Rare
23.	<i>Puntius vittatus</i> (Day)	—	—	74	100	74	—	—	73	98.65	1	1.35	Common in saline waters
24.	<i>Garra mullya</i> (Sykes)	—	—	3	100	3	3	100	—	—	—	—	Rare (Com- mon in Hill streams)
25.	<i>Lepidocephalus thermalis</i> (Val.)	18	18.18	81	81.81	99	84	84.84	6	6.04	9	9.09	Common
26.	<i>Noemacheilus pulchellus</i> (Day)	—	—	11	100	11	11	100	—	—	—	—	Rare

1	2	3	4	5	6	7	8	9	10	11	12	13	14
27.	<i>Mystus bleekeri</i> (LæD)	4	80	5	20	9	9	100	—	—	—	—	Common
28.	<i>Mystus cavasius</i> (Ham.)	3	33·33	6	66·66	9	9	100	—	—	—	—	„
29.	<i>Mystus montanus</i> (Jerdon)	—	—	8	100	8	2	25	5	62·5	1	12·5	„
30.	<i>Mystus gulio</i> (Ham.)	1	16·67	5	83·33	6	1	16·67	5	66·66	1	16·67	„
31.	<i>Mystus vittatus</i> (Bloch)	21	95·45	1	4·55	22	22	100	—	—	—	—	„
32.	<i>Pseudeutropius athernoides</i> (Blkr.)	—	—	1	100	1	1	100	—	—	—	—	Extremely rare
33.	<i>Channa orientalis</i> (Sch.)	20	90·91	2	9·09	22	11	50	—	—	11	50	Common
34.	<i>Channa punctatus</i> (Bloch)	6	27·27	16	72·73	22	6	27·27	2	9·09	14	63·64	Common
35.	<i>Channa striatus</i> (Bloch)	1	33·33	2	66·67	3	1	33·33	2	66·67	—	—	Rare
36.	<i>Xenentodon cancila</i> (Ham.)	4	40·0	6	60·0	10	4	40·0	—	—	—	—	Common
37.	<i>Aplocheilus blochii</i> (Arnold)	16	33·33	45	72·41	61	16	33·33	41	70·69	1	1·72	Common
38.	<i>Oryzias melanostigma</i> (Mc. Cl.)	2	2·0	70	97·22	72	52	72·22	—	—	20	27·78	Common
39.	<i>Gasia affinis patruelis</i> (Baird and Girand)	—	—	11	100	11	—	—	—	—	11	100	Common
40.	<i>Chanda nama</i> (Ham.)	2	100	—	—	2	2	100	—	—	—	—	Rare

1	2	3	4	5	6	7	8	9	10	11	12	13	14
41.	<i>Etroplus maculatus</i> (Bloch)	25	14.62	146	85.38	171	69	40.35	54	31.58	48	28.07	Fairly common
42.	<i>Oreochromis</i> <i>mossambica</i> (Peters)	120	53.33	105	48.66	225	143	63.55	24	10.67	58	25.77	Fairly common
43.	<i>Glossogobius giuris</i> (Ham.)	5	7.58	61	92.42	66	29	43.94	20	30.30	17	25.76	Fairly common
44.	<i>Liza parsia</i> (Ham.)	—	—	4	100	4	1	25.0	2	50.0	1	25.0	Rare
45.	<i>Rhinomugil corsula</i> (Ham.)	—	—	1	100	1	—	—	1	100	—	—	Rare
46.	<i>Anabas testudineus</i> (Bloch)	—	—	16	100	16	—	—	7	43.75	9	56.25	Common
47.	<i>Macropodus cupanus</i> Val.	—	—	19	100	19	2	10.53	3	15.79	14	73.68	Common
48.	<i>Colisa fasciatus</i> (Schneider)	—	—	4	100	4	—	—	—	—	4	100	Rare
49.	<i>Mastacembelus armatus</i> <i>armatus</i> Lacepede	1	66.66	14	93.33	15	15	100	—	—	—	—	Common
50.	<i>Macragnathus</i> <i>aculeatus</i> (Bloch)	1	100.00	—	—	1	1	100	—	—	—	—	Rare

Table II
QUALITATIVE AND QUANTITATIVE COMPARISON OF FISH FAUNA
COLLECTED FROM TANJAVUR AND TRICHY DISTRICTS

Total number of specimens collected from					
Tanjavur and Trichy Districts		Trichy District		Tanjavur District	
No.	Ex.	No.	Ex.	No.	Ex.
2229		572	25.66	1657	74.34

Total number of species collected from					
Tanjavur and Trichy Districts		Trichy District		Tanjavur District	
		No.	%	No.	%
50		36	72.0	44	88.0

Table III
QUALITATIVE AND QUANTITATIVE COMPARISON OF FISH FAUNA
COLLECTED FROM RIVER CAUVERY, RIVER MULLAIYAR AND
PONDS IN TANJAVUR AND TRICHY DISTRICTS

Total No. of specimens collected from Tanjavur and Trichy Districts	Total No. of specimens collected from					
	River Cauvery		River Mullaiyar		Ponds	
	No.	Ex.	No.	Ex.	No.	%
2229	909	40.78	570	25.57	750	03.65

Total No. of species collected from Tanjavur and Trichy Dists.	Total No. of species collected from					
	River Cauvery		River Mullaiyar		Ponds	
	No.	Species	No.	Species	No.	Species
50	43	86.0	25	51.5	27	52.50

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