

Fishes of the Southwestern Coast of Korea

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ABSTRACT

190 species in 82 families of marine fishes were collected from 6 survey stations along the southwestern coast of Korea, from April 1996 to March 1997. A checklist of fishes from southwestern coast of Korea was given with their records of the specimens in the present investigations. Analysis of fish species composition in this areas showed that the family Gobiidae was the most abundant and Scorpaenidae was the next. The fishes living in this area were under the influence of the Tsushima warm current and the Yellow Sea. Among them, *Tridentiger trionocephalus*, *Repomucenus valenciennei* and *Thryssa adela* were commonly found from the each sites, and *Chirolophis wui*, *Pholis fangi*, *Repomucenus koreanus*, and *Acanthogobius luridus* are endemic species of the to Yellow Sea.

Key words: Fish fauna, Perciformes, Checklist, Southwestern Coast, Korea

INTRODUCTION

The southwestern coast of Korea is characterized by numerous islands and the rise and fall of tides. Components of the fish fauna of the southwestern coast of Korea include fishes in common with the Yellow Sea and the Tsushima warm current (Yamada *et al.*, 1986). The coast area is also spawning and growing areas of *Enguraulis japonicus*, *Konosius punctatus*, *Argyrosomus argentatus* and many gobiid fishes (Yoo and Cha, 1988; Cha and Park, 1994).

The fish fauna around Cheju Island and Yellow Sea of Korea has been reported (Kim and Lee, 1994, 1995), however the fish fauna of the southern coast of Korea has not been made it yet. Therefore the present study is based on the fishes from the coast of southwestern sea, Korea. Lee *et al.* (1990) reported on the fish fauna of Koheung peninsula and Kim *et al.* (1994) reported on the fish fauna of the Kumdo Islands, however these records were still insufficient to show the fish fauna

and distributional data. Therefore, the purpose of this study is to provide the fish fauna and the distributional data from the southwestern coast of Korea.

MATERIAL AND METHODS

An investigation of fish fauna was conducted, based on the specimens from the six localities of the southwestern coast of Korea. They were collected from six localities by trawl, set net, small seine net and angling from April 1996 to March 1997 (Fig. 1). The specimens were fixed in 10% formalin solution immediately and measured standard length by digital caliper to the nearest 10th of a millimeter. The identification of specimens follow Kim and Kang (1993), Masuda *et al.* (1988) and Nakabo (1993) and classific hierarchy follows Nelson (1994). All the specimens were deposited in Department of Biology, Chönbuk National University, Chonju, Korea (CNUC).

RESULT

The number of species varied among the collecting sites. Among them, 92 species were found at station 5, and 91 species were collected at station 3 and 4 respectively.

The following species lists of this study include sampling site number and individual number of specimen number in parethesis, standard length, date and methods.

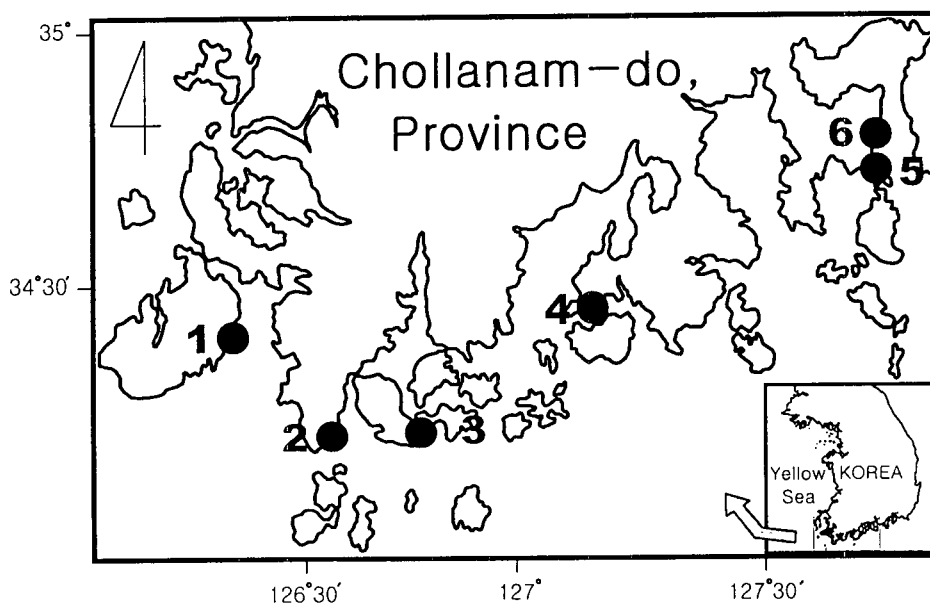


Fig. 1. Map showing the collecting localities in southwestern coast of Korea.

1, Uysin-myon, Chindo-gun; 2, Songji-myon, Haenam-gun; 3, Wando-up, Wando-gun; 4, Toyang-up, Kohung-gun; 5, Namsan-dong, Yosusi; 6, Namsan-dong, Yosusi.

Order Myxiniiformes

Family Mixinidae

1. *Eptatretus burgeri* (Girard) 먹장어

St. 3(1), 267.7 mm SL., Jan. 23, 1997, trawl.

Order Carcharhiniiformes

Family Scyliorhinidae

2. *Scyliorhinus torazame* (Tanaka) 두툽상어

St. 3(1), 312.1 mm SL., Apr. 22, 1996; St. 4(1), 247.7 mm SL., Apr. 23, 1996; St. 3(1), 319.0 mm SL., May. 12, 1996, angling.

Family Triakidae

3. *Mustelus manazo* Bleeker 별상어

St. 3(1), 477.0 mm SL., Apr. 22, 1996, angling.

Order Rajiformes

Family Rhinobatidae

4. *Platyrrhina sinensis* Bloch et Schneider 목탁가오리

St. 5(1), 475.4 mm SL., Aug. 17, 1996, trawl.

Family Rajidae

5. *Raja kenoei* Müller et Henle 홍어

St. 1(3), 101.8-201.7 mm SL., Apr. 20, 1996; St. 1(1), 181.1 mm SL., Jan. 22, 1997; St. 3(1), 203.2 mm SL., Jan. 23, 1997, trawl.

6. *Raja pulchra* Liu 눈가오리

St. 5(1), 442.3 mm SL., Aug. 17, 1996, trawl.

7. *Raja acutispina* Ishiyama 무늬홍어

St. 3(3), 415.0-435.7 mm SL., Aug. 11, 1996, trawl.

Family Dasyatidae

8. *Dasyatis akajei* (Müller et Henle) 노랑가오리

St. 3(1), 387.9 mm SL., Apr. 22, 1996; St. 5(1), 326.9 mm SL., Aug. 17, 1996, trawl Family Myliobatidae

9. *Myliobatis tobijei* (Bleeker) 매가오리

St. 3(1), 725.9 mm SL., May. 12, 1996, trawl.

Order Anguilliformes

Family Anguillidae

10. *Anguilla japonica* Temminck et Schlegel 뱀장어

St. 3(1), 230.5 mm SL., Mar. 16, 1997, seine net.

Family Muraenesocidae

11. *Muraenesox cinereus* (Forsskal) 갯장어

St. 4(1), 428.3 mm SL., Apr. 23, 1996; St. 1(1), 432.5 mm SL., May. 11, 1996; St. 4(1), 453.2 mm SL., Jun. 17, 1996; St. 5(1), 383.8 mm SL., Jun. 18, 1996; St. 5(1), 333.8 mm SL., Aug. 17, 1996; St. 4(1), 502.5 mm SL., Dec. 21, 1996, angling and set net.

Family Congridae

12. *Conger myriaster* (Brevoort) 봉장어

St. 6(4), 196.2-258.1 mm SL., Apr. 7, 1996; St. 3(1), 313.9 mm SL., Apr. 22, 1996; St. 4(3), 210.8-255.2 mm SL., Apr. 23, 1996; St. 6(1), 225.3 mm, May. 13, 1996; St. 4(3), 260.8-332.5 mm SL., Jun. 17, 1996; St. 6(2), 242.1-260.1 mm SL., Jun. 18, 1996; St. 6(1), 215.4 mm SL., Sep. 19, 1996; St. 4(3), 209.5-252.8 mm SL., Dec. 21, 1996; St. 6(3), 224.0-248.5 mm SL., Dec. 22, 1996; St. 3(1), 212.5 mm, Jan. 23, 1997; St. 4(2), 328.4-352.8 mm SL., Jan. 24, 1997; St. 4(2), 261.1-273.4 mm SL., Mar. 17, 1997; St. 5(2), 208.3-304.2 mm SL., Mar. 18, 1997; St. 6(1), 204.8 mm SL., Mar. 18, 1997, angling and set net.

13. *Uroconger lepturus* (Richardson) 애봉장어

St. 6(1), 373.9 mm SL., Oct. 19, 1996, set net.

Order Clupeiformes

Family Engraulidae

14. *Coilia nasus* Temminck et Schlegel 용어

St. 1(2), 150.2-163.1 mm SL., Apr. 20, 1996; St. 1(1), 255.5 mm SL., May. 11, 1996; St. 1(2), 158.2-211.4 mm SL., Jun. 15, 1996, set net.

15. *Engraulis japonicus* Temminck et Schlegel 멸치

St. 1(1), 92.9 mm SL., May. 11, 1996; St. 6(2), 79.0-83.0 mm SL., May. 13, 1996; St. 2(6), 89.3-113.5 mm SL., Jan. 15, 1996; St. 6(8), 81.9-108.9 mm SL., Dec. 22, 1996, set net.

16. *Stetipinna tenuifilis* (Valenciennes) 반지

St. 1(4), 42.8-114.5 mm SL., Apr. 20, 1996; St. 3(1), 144.1 mm SL., Apr. 22, 1996; St. 1(25), 60.6-133.3 mm SL., May. 11, 1996, set net.

17. *Thryssa adalae* (Ritter) 풀반돔이

St. 6(13), 62.5-115.1 mm SL., Apr. 7, 1996; St. 1(2), 99.7-100.1 mm SL., Apr. 20, 1996; St. 3(1), 78.1 mm SL., Apr. 22, 1996; St. 1(3), 69.5-83.2 mm SL., Jun. 15, 1996; St. 3(1), 71.2 mm SL., Sep. 18, 1996; St. 6(9), 74.7-105.7 mm SL., Sep. 19, 1996; St. 6(1), 79.5 mm SL., Oct. 19, 1996; St. 4(1), 87.7 mm SL., Dec. 21, 1996; St. 5(51), 69.9-116.9 mm SL., Dec. 22, 1996; St. 6(9), 76.6-117.4 mm SL., Dec. 22, 1996; St. 6(11), 69.2-124.5 mm SL., Mar. 18, 1997, set net.

18. *Thryssa kammalensis* (Bleeker) 청멸

St. 3(1), 313.9 mm, Apr. 22, 1996; St. 4(2), 75.1-80.5 mm, Apr. 23, 1996; St. 6(32), 73.6-89.7 mm SL., May. 13, 1996; St. 1(1), 65.5 mm SL., Jan. 15, 1996; St. 6(1), 96.8 mm SL., Jan. 18, 1996; St. 5(2), 60.3-86.7 mm SL., Aug. 17, 1996; St. 6(24), 68.0-110.5 mm SL., Sep. 19, 1996; St. 6(13), 71.2-90.5 mm SL., Oct. 19, 1996, set net.

Family Clupeidae

19. *Konosirus punctatus* (Temminck et Schlegel) 전어

St. 6(2), 96.7-99.0 mm SL., Apr. 7, 1996.; St. 1(2), 126.6-128.0 mm SL., Apr. 20, 1996; St. 3(3), 150.8-160.2 mm SL., Apr. 22, 1996; St. 4(4), 101.2-119.2 mm SL., Apr. 23, 1996; St. 3(1), 114.0 mm SL., May. 12, 1996; St. 6(1), 121.2 mm SL., May. 13, 1996; St. 1(2), 96.5-109.0 mm SL., Jun. 15, 1996; St. 2(5), 102.4-121.5 mm SL., Jun. 15, 1996; St. 5(5), 158.3-170.1 mm SL., Jun. 18, 1996; St. 5(2), 142.0-147.7 mm SL., Aug. 17, 1996; St. 5(3), 73.6-146.9 mm SL., Dec. 22, 1996; St. 6(12), 76.7-115.8 mm SL., Dec. 22, 1996; St. 4(1), 158.9 mm SL., Mar. 17, 1997; St. 5(1), 64.6 mm SL., Mar. 18, 1997; St. 6(10), 72.0-102.2 mm SL., Mar. 18, 1997, set net and

gill net.

20. *Sardinella zunasi* (Bleeker) 밴댕이

St. 1(2), 82.5-91.5 mm SL., May. 11, 1996; St. 6(1), 76.2 mm SL., May. 13, 1996; St. 1(5), 64.0-99.9 mm SL., Jun. 15, 1996; St. 2(14), 68.4-98.0 mm SL., Jun. 15, 1996; St. 6(2), 51.7-51.9 mm SL., Oct. 19, 1996, set net.

21. *Ilisha elongata* (Bennett) 준치

St. 1(1), 101.8 mm, SL., May. 11, 1996; St. 1(1), 104.5 mm, May. 11, 1996; St. 5(4), 131.6-150.1 mm SL., Aug. 17, 1996, set net.

Order Siluriformes

Family Ariidae

22. *Arius maculatus* (Thunberg) 바다동자개

St. 3(1), 280.7 mm SL., Jun. 16, 1996, set net.

Order Osmeriformes

Family Salangidae

23. *Salanx ariakensis* Kishinouye 국수뱅어

St. 1(11), 67.7-100.9 mm SL., Jun. 16, 1996, set net.

Order Aulopiformes

Family Synodontidae

24. *Saurida elongata* (Temminck et Schlegel) 날매통이

St. 4(3), 205.0-214.1 mm SL., Apr. 23, 1996; St. 5(4), 142.3-236.7 mm SL., May. 13, 1996; St. 2(1), 163.0 mm SL., Jun. 15, 1996; St. 5(1), 242.5 mm SL., Jun. 18, 1996; St. 6(1), 217.1 mm SL., Jun. 18, 1996; St. 3(1), 219.5 mm SL., Aug. 11, 1996; St. 5(1), 173.1 mm SL., Dec. 22, 1996; St. 5(1), 221.0 mm SL., Jan. 15, 1997, set net.

25. *Trachinocephalus myops* (Forster) 황매통이

St. 6(1), 77.4 mm SL., Oct. 19, 1996, set net.

Family Harpadontidae

26. *Harpadon nehereus* (Hamilton) 물천구

St. 1(1), 116.5 mm SL., May. 11, 1996, set net.

Order Ophidiiformes

Family Ophidiidae

27. *Hoplobrotula armata* (Temminck et Schlegel) 붉은메기

St. 4(1), 193.6 mm SL., Apr. 22, 1996; St. 5(1), 235.0 mm SL., May. 16, 1996; St. 4(1), 268.0 mm SL., Mar. 17, 1997, trawl.

28. *Neobythites sivicolus* (Jordan et Snyder) 그물메기

St. 4(1), 125.0 mm SL., Apr. 23, 1996; St. 5(2), 155.1-162.3 mm SL., Dec. 22, 1996; St. 5(1), 325.7 mm SL., Jan. 25, 1997; St. 4(1), 170.6 mm SL., Mar. 17, 1997, trawl.

Order Gadiformes

Family Macrouridae

29. *Coleorinchus multispinosus* Katayama 준비늘치

St. 4(1), 143.8 mm SL., Dec. 21, 1996; St. 4(2), 44.4-48.3 mm SL., Mar. 17, 1997, trawl.

Family Gadidae

30. *Gadius macrocephalus* Tilesius 대구

St. 5(1), 259.8 mm SL., Mar. 18, 1997, angling.

Order Lohiiformes

Family Lophiidae

31. *Lophiomus setigerus* (Vahl) 아귀

St. 4(1), 180.9 mm SL., Apr. 23, 1996; St. 1(1), 475.2 mm SL., May. 11, 1996; St. 3(1), 206.3 mm SL., Oct. 18, 1996; St. 3(1), 168.9 mm SL., Jan. 23, 1997; St. 4(1), 211.5 mm SL., Jan. 24, 1997; St. 5(1), 269.3 mm SL., Jan. 25, 1997, set net.

32. *Lophius litulon* (Jordan) 황아귀

St. 4(1), 154.1 mm SL., Apr. 23, 1996, set net.

Order Mugiliformes

Family Mugilidae

33. *Liza haematocheila* (Temminck et Schlegel) 가숭어

St. 1(4), 235.1-268.4 mm SL., Aug. 10, 1996; St. 3(2), 208.5-219.2 mm SL., Aug. 11, 1996; St. 3(3), 72.0-84.7 mm SL., Oct. 18, 1996; St. 3(10), 85.4-94.3 mm SL., Sep. 17, 1996, gill net.

34. *Liza carinata* (Valenciennes) 등줄숭어

St. 5(12), 138.4-167.4 mm SL., Mar. 18, 1997, set net.

35. *Mugil cephalus* Linnaeus 숭어

St. 5(1), 222.3 mm SL., Jun. 18, 1996; St. 3(1), 301.5 mm SL., Aug. 11, 1996; St. 5(1), 198.2 mm SL., Aug. 17, 1996; St. 5(3), 321.5-349.2 mm SL., Dec. 22, 1996; St. 3(1), 70.9 mm SL., Mar. 16, 1997; St. 4(1), 209.2 mm SL., Mar. 17, 1997, set net and gill net.

Order Beloniformes

Family Adrianichthyidae

36. *Oryzias latipes* (Temminck et Schlegel) 송사리

St. 2(5), 24.5-32.4 mm SL., Apr. 21, 1996; St. 1(1), 25.0 mm SL., Mar. 15, 1997; St. 3(6), 20.3-29.2 mm SL., Mar. 16, 1997, seine net.

Family Belonidae

37. *Strongylura anastomella* (Valenciennes) 동갈치

St. 5(1), 498.5 mm SL., May. 13, 1996, set net.

38. *Tylosurus acus melanotus* (Bleeker) 향알치

St. 5(2), 425.3-436.2 mm SL., Oct. 19, 1996, set net.

Family Scomberesocidae

39. *Cololabis saira* (Brevoort) 꽁치

St. 5(2), 302.5-323.2 mm SL., May. 13, 1996, set net.

Family Exocoetidae

40. *Cypselurus agoo agoo* (Temminck et Schlegel) 날치

St. 5(1), 272.8 mm SL., Jun. 18, 1996, set net.

Family Hemiranphidae

41. *Hamiramphus sajori* (Temminck et Schlegel) 학공치

St. 3(1), 300.5 mm SL., Apr. 22, 1996, set net.

Order Zeiformes

Family Zeidae

42. *Zeus faber* Linnaeus 달고기

St. 4(1), 192.7 mm SL., Jun. 17, 1996; St. 5(1), 173.2 mm SL., Dec. 16, 1996; St. 4(1), 173.1 mm SL., Mar. 17, 1997, trawl.

Order Gasterosteiformes

Family Syngnathidae

43. *Syngnatus schlegeli* Kaup 실고기

St. 6(5), 156.2-210.8 mm SL., Apr. 7, 1996; St. 6(2), 164.4-203.6 mm SL., Oct. 19, 1996, set net.

44. *Hippocampus japonicus* Kaup 산호해마

St. 1(2), 32.5-32.7 mm SL., May. 11, 1996, set net.

Order Scorpaeniformes

Family Scorpaenidae

45. *Hypodytes rubripinnis* (Temminck et Schlegel) 미역치

St. 6(1), 47.0 mm SL., Apr. 7, 1996; St. 4(1), 49.5 mm SL., Apr. 23, 1996; St. 1(3), 45.0-58.6 mm SL., May. 11, 1996; St. 6(2), 43.2-52.6 mm SL., Mar. 18, 1997, angling and set net.

46. *Scorpaena miostoma* Günther 주굴감펍

St. 3(1), 128.0 mm SL., Apr. 22, 1996; St. 4(2), 98.5-107.5 mm SL., Apr. 23, 1996; St. 3(3), 124.3-149.8 mm SL., Aug. 11, 1996; St. 5(1), 92.4 mm SL., Dec. 22, 1996; St. 4(4), 104.8-116.4 mm SL., Jan. 24, 1997; St. 4(3), 122.0-127.5 mm SL., Mar. 17, 1997; St. 5(1), 119.5 mm SL., Mar. 18, 1997, angling.

47. *Scorpaenopsis neglecta* Heckel 살살치

St. 4(1), 104.0 mm SL., Apr. 23, 1996; St. 5(1), 92.8 mm SL., Dec. 25, 1997; St. 4(2), 125.0-149.7 mm SL., Mar. 17, 1997, angling.

48. *Sebastes hubbsi* (Matsubara) 우럭볼락

St. 3(1), 147.5 mm SL., Jun. 16, 1996, angling.

49. *Sebastes inermis* Cuvier 볼락

St. 3(1), 172.3 mm SL., Apr. 22, 1996; St. 3(1), 144.6 mm SL., Jun. 16, 1996, angling.

50. *Sebastes thompsoni* (Jordan et Hubbs) 불볼락

St. 4(1), 194.7 mm SL., Apr. 23, 1996; St. 5(1), 141.6 mm SL., May. 16, 1996, angling.

51. *Sebastes longispinis* (Matsubara) 흰꼬리볼락

St. 3(1), 117.5 mm SL., May. 12, 1996; St. 3(1), 116.4 mm SL., Jun. 16, 1996; St. 4(1), 142.3 mm SL., Oct. 18, 1996, angling.

52. *Sebastes schlegeli* Hilgendorf 조피볼락

St. 3(2), 105.8-125.1 mm SL., Apr. 22, 1996; St. 5(1), 137.5 mm SL., May. 13, 1996; St. 4(1), 168.5 mm SL., Oct. 18, 1996; St. 4(1), 132.8 mm SL., Sep. 18, 1996, angling and set net.

53. *Sebastiscus marmoratus* (Cuvier) 썸뱅이

St. 3(1), 160.6 mm SL., Oct. 18, 1996; St. 4(1), 113.4 mm SL., Mar. 17, 1997, angling.

54. *Sebastiscus tertius* Barsukov et Chen 붉은썸뱅이

St. 3(1), 151.5 mm SL., Apr. 22, 1996; St. 5(2), 125.0-141.9 mm SL., May. 13, 1996; St. 5(2), 112.3-151.0 mm SL., Jan. 25, 1997, angling.

Family Synanceiidae

55. *Inimicus japonicus* (Cuvier) 쭈기미

St. 3(3), 120.6-160.2 mm SL., Apr. 22, 1996; St. 4(1), 120.3 mm SL., Apr. 23, 1996; St. 4(2), 113.4-115.7 mm SL., Dec. 21, 1996; St. 4(1), 102.5 mm SL., Mar. 17, 1997, set net.

Family Aploactinidae

56. *Erisphex pottii* (Steindachner) 풀미역치

St. 1(6), 24.5-73.1 mm SL., Apr. 22, 1996; St. 3(2), 33.2-34.5 mm SL., Apr. 22, 1996; St. 1(8) 28.5-59.9 mm SL., May. 11, 1996; St. 4(1), 54.9 mm SL., Dec. 21, 1996; St. 6(1), 40.9 mm SL., Dec. 22, 1996, set net and seine net.

Family Triglidae

57. *Chelidonichthys spinosus* (McClelland) 성대

St. 4(1), 234.3 mm SL., Jun. 17, 1996; St. 4(2), 192.3-196.1 mm SL., Jan. 24, 1997, trawl.

58. *Lepidotrigla guentheri* Hilgendorf 꼬마달걀

St 5.(1) 147.8 mm SL., May. 13, 1996, trawl.

59. *Lepidotrigla abyssalis* Jordan et Starks 밀달갱이

St 5.(2) 148.7-159.8 mm SL., May. 13, 1996; St. 5(4), 6.6-181.0 mm SL., Jun. 18, 1996; St. 5(4), 178.3-195.4 mm SL., Mar. 18, 1997, trawl.

Family Platycephalidae

60. *Platycephalus indicus* (Linnaeus) 양태

St. 3(3), 180.8-209.0 mm SL., Apr. 21, 1996; St. 4(1), 190.3 mm SL., Apr. 23, 1996; St. 6(1), 118.7 mm SL., Apr. 7, 1996; St. 1(2), 151.9-219.1 mm SL., May. 11, 1996; St. 5(4), 123.1-192.5 mm SL., May. 13, 1996; St. 4(1), 278.0 mm SL., Jun. 17, 1996; St. 5(1), 215.2 mm SL., Jun. 18, 1996; St. 3(1), 116.8 mm SL., Sep. 18, 1996; St. 3(1), 87.3 mm SL., Oct. 17, 1996; St. 3(1), 186.9 mm SL., Dec. 20, 1996; St. 4(1), 112.0 mm SL., Dec. 21, 1996; St. 5(1), 180.0 mm SL., Dec. 22, 1996; St. 6(2), 113.2-126.9 mm SL., Dec. 22, 1996; St. 1(1), 201.3 mm SL., Jan. 22, 1997; St. 4(1), 182.3 mm SL., Mar. 17, 1997, set net and trawl.

61. *Cociella crocodila* (Tilesius) 까지양태

St. 3(2), 234.8-275.4 mm SL., Apr. 21, 1996; St. 4(1), 183.5 mm SL., Apr. 23, 1996; St. 1(2), 68.1-71.5 mm SL., May. 11, 1996; St. 3(1), 100.1 mm SL., May. 12, 1996; St. 1(1), 264.4 mm SL., Jan. 22, 1997; St. 5(1), 323.1 mm SL., Jan. 25, 1997, set net and trawl.

Family Hexagrammidae

62. *Hexagrammos agrammus* (Temminck et Schlegel) 노래미

St. 4(1), 123.6 mm SL., Apr. 23, 1996; St. 3(1), 96.2 mm SL., Oct. 17, 1996; St. 4(3), 67.3-90.2 mm SL., Oct. 18, 1996; St. 4(1), 112.3 mm SL., Jan. 17, 1997; St. 5(1), 113.9 mm SL., Mar. 18, 1997, angling and set net.

63. *Hexagrammos otakii* Jordan et Starks 쥐노래미

St. 3(1) 170.8 mm SL., May. 12, 1996; St. 5(3), 52.2-213.3 mm SL., May. 13, 1996; St. 3(4), 72.5-102.0 mm SL., Jun. 16, 1996; St. 5(3), 107.3-113.1 mm SL., Aug. 17, 1996; St. 3(1), 120.8 mm SL., Sep. 18, 1996; St. 1(1), 138.0 mm SL., Jan. 22, 1997; St. 3(2), 150.8-177.7 mm SL., Jan. 23, 1997; St. 4(1), 141.3 mm SL., Jan. 24, 1997; St. 5(1), 173.0 mm SL., Jan. 25, 1997; St. 4(1), 159.2 mm SL., Mar. 17, 1997, angling and set net.

Family Cottidae

64. *Trachidermis fasciatus* Heckel 꺾정어

St. 3(1), 85.3 mm SL., Sep. 18, 1996; St. 3(1), 91.2 mm SL., Oct. 17, 1996, seine net.

65. *Cottiusculus schmidti* Jordan et Starks 점줄횃대

St. 1(3), 52.9-77.2 mm SL., Apr. 20, 1996; St. 3(1), 59.2 mm SL., Apr. 22, 1996; St. 1(2), 68.1-71.5 mm SL., May. 11, 1996; St. 3(1), 62.1 mm SL., May. 12, 1996, set net.

66. *Pseudoblennius percoides* Günther 돌박망둑

St. 6(1), 55.4 mm SL., May. 13, 1996, set net.

Family Hemitrypteridae

67. *Hemitripteris villosus* (Pallas) 삼세기

St. 6(2), 35.6-52.0 mm SL., Apr. 7, 1996; St. 1(2) 30.1-48.9 mm SL., May. 11, 1996; St. 4(8), 156.4-227.6 mm SL., Mar. 17, 1997; St. 5(1), 156.9 mm SL., Mar. 18, 1997; St. 6(1), 37.0 mm SL., Mar. 18, 1997, set net.

Family Liparidae

68. *Liparis agassizii* Putnam 아가씨물메기

St. 1(2), 61.0-67.5 mm SL., Apr. 20, 1996; St. 4(1) 108.2 mm SL., Apr. 23, 1996; St. 4(1) 200.8 mm SL., May. 12, 1996; St. 6(2) 129.5-144.0 mm SL., May. 13, 1996; St. 6(1), 273.8 mm SL., Dec. 22, 1996, set net.

69. *Liparids choanus* Wu et Wang 노랑물메기

St. 1(1), 114.3 mm SL., Apr. 20, 1996, set net.

Order Perciformes

Family Moronidae

70. *Lateolabrax japonicus* (Cuvier) 농어

St. 1(1), 161.2 mm SL., Apr. 20, 1996; St. 1(1), 133.1 mm SL., May. 11, 1996; St. 5(7), 116.4-165.5 mm SL., Aug. 17, 1996; St. 4(3), 130.2-170.8 mm SL., Oct. 18, 1996; St. 4(1), 161.3 mm SL., Dec. 21, 1996; St. 5(2), 127.7-129.9 mm SL., Dec. 22, 1996; St. 3(6), 157.3-205.8 mm SL., Jan. 23, 1997; St. 4(1), 172.3 mm, Mar. 17, 1997; St. 5(1), 154.1 mm SL., Mar. 18, 1997, set net and seine net.

Family Acropomatidae

71. *Doederleinia berycoides* (Hilgendorf) 눈볼대

St. 5(2), 128.8-170.5 mm SL., May. 13, 1996; St. 5(1), 329.7 mm SL., Dec. 22, 1996; St. 5(3), 110.3-141.7 mm SL., Jan. 25, 1997, angling.

72. *Acropoma japoicum* Günther 반딧볼게르치

St. 1(1), 45.0 mm SL., May. 11, 1996; St. 3(2), 36.7-54.2 mm SL., Dec. 23, 1997, set net and trawl.

Family Serranidae

73. *Epinephelus akaara* (Temminck et Schlegel) 붉바리

St. 4(1), 167.9 mm SL., Oct. 18, 1996, angling.

74. *Epinephelus awoara* (Temminck et Schlegel) 도도바리

St. 5(1), 172.8 mm SL., Dec. 22, 1996; St. 5(1), 129.8 mm SL., Mar. 16, 1997, set net.

Family Callanthiidae

75. *Callanthias japonicus* Franz 노랑벤자리

St. 4(1), 131.6 mm SL., Apr. 23, 1996, set net.

Family Priacanthidae

76. *Cookeolus boops* (Schneider) 뽕돔

St. 5(1), 167.2 mm SL., Dec. 25, 1997, angling.

77. *Priacanthus macracanthus* Cuvier 흥치

St. 5(3), 109.5-116.4 mm SL., Dec. 22, 1996; St. 5(1), 174.7 mm SL., Jan. 25, 1997, angling and set net.

Family Apogonidae

78. *Apogon lineatus* Temminck et Schlegel 열동가리돔

St. 1(1), 36.1 mm SL., Apr. 20, 1996; St. 4(4), 35.9-58.1 mm SL., Apr. 23, 1996; St. 1(5), 36.8-57.2 mm SL., May. 11, 1996; St. 6(1), 33.3 mm SL., Oct. 19, 1996; St. 5(1), 40.2 mm SL., Dec. 22, 1996; St. 3(2), 41.0-54.6 mm SL., Jan. 23, 1997; St. 5(2), 49.0-51.0 mm SL., Jan. 25, 1997; St. 4(2), 47.0-49.0 mm SL., Mar. 17, 1997, set net and trawl.

Family Sillaginidae

79. *Sillago japonica* Temminck et Schlegel 청보리멸

St. 6(1), 71.0 mm SL., Apr. 7, 1996; St. 1(1), 103.1 mm SL., Apr. 22, 1996; St. 3(1), 180.2 mm SL., Apr. 22, 1996; St. 4(3), 130.5-144.0 mm SL., Apr. 23, 1996; St. 1(2), 87.4-153.8 mm SL., May. 11, 1996; St. 4(1), 114.2 mm SL., May. 14, 1996; St. 5(4), 101.2-131.5 mm SL., May. 13, 1996; St. 6(2), 112.6-141.8 mm SL., May. 13, 1996; St. 5(4), 152.1-169.6 mm SL., Jun. 18, 1996; St. 5(1), 122.6 mm SL., Aug. 17, 1996; St. 6(2), 58.3-59.4 mm SL., Sep. 19, 1996; St. 6(2), 71.6-71.9 mm SL., Oct. 19, 1996; St. 4(1), 66.7 mm SL., Dec. 21, 1996; St. 5(2), 89.7-90.7 mm SL., Dec. 22, 1996; St. 4(4), 154.2-167.4 mm SL., Jan. 24, 1997; St. 5(1), 133.7 mm SL., Jan. 25, 1997; St. 4(5), 116.3-140.7 mm SL., Mar. 17, 1997; St. 5(4), 126.5-134.1 mm SL., Mar. 18, 1997, set net and trawl.

80. *Sillago parvisquamis* Gill 점보리멸

St. 5(1), 136.8 mm SL., May. 13, 1996, set net.

Family Malacanthidae

81. *Branchiostegus japonicus* (Houttuyn) 옥돔

St. 4(1) 155.5 mm SL., Apr. 23, 1996; St. 5(1), 162.5 mm SL., May. 13, 1996; St. 4(1), 167.5 mm SL., Jan. 24, 1997; St. 5(2), 150.2-162.2 mm SL., Jan. 25, 1997; St. 4(3), 141.2-179.1 mm SL., Mar. 17, 1997; St. 5(2), 125.1-123.6 mm SL., Mar. 16, 1997, angling

Family Pomatomidae

82. *Scombrops boops* (Houttuyn) 게르치

St. 5(1), 278.4 mm SL., Jan. 25, 1997, set net.

Family Rachycentridae

83. *Rachycentron canadum* (Linnaeus) 날새기

St. 5(1), 285.7 mm SL., Oct. 19, 1996, set net.

Family Carangidae

84. *Alectis ciliaris* (Bloch) 실전갱이

St. 5(1), 248.6 mm SL., Oct. 19, 1996, set net.

85. *Kaiwarinus equula* (Temminck et Schlegel) 갈전갱이

St. 5(1), 195.5 mm SL., May. 13, 1996; St. 5(6), 94.8-105.1 mm SL., Sep. 19, 1996; St. 5(2), 194.2-233.8 mm SL., Jan. 25, 1997, set net.

86. *Trachurus japonicus* (Temminck et Schlegel) 전갱이

St. 2(11), 45.5-68.6 mm SL., Jun. 15, 1996; St. 3(1), 105.5 mm SL., Aug. 11, 1996; St. 3(1), 171.3 mm SL., Sep. 18, 1996; St. 3(1), 123.8 mm SL., Oct. 17, 1996; St. 5(2), 245.6-251.2 mm SL., Oct. 19, 1996; St. 5(1), 135.7 mm SL., Dec. 22, 1996; St. 1(1), 177.6 mm SL., Jan. 22, 1997, set net.

87. *Naucrates ductor* (Linnaeus) 동갈방어

St. 5(1), 297.6 mm SL., Oct. 19, 1996, set net.

88. *Seriolina nigrofasciata* (R ppell) 매지방어

St. 3(1), 58.8 mm SL., Oct. 17, 1996, set net.

89. *Uraspis helvola* (Forster) 민전갱이

St. 5(1), 285.6 mm SL., Sep. 19, 1996; St. 5(1), 298.6 mm SL., Oct. 19, 1996, set net.

Family Leiognathidae

90. *Leiognathus nuchalis* (Temminck et Schlegel) 주둥치

St. 6(5), 54.7-65.8 mm SL., Apr. 7, 1996; St. 1(7), 42.8-72.7 mm SL., Apr. 20, 1996; St. 3(1), 40.7 mm SL., Apr. 22, 1996; St. 4(2), 49.5-51.5 mm SL., Apr. 23, 1996; St. 1(2), 55.8-67.6 mm SL., May. 11, 1996; St. 6(4), 65.1-75.6 mm SL., May. 13, 1996; St. 1(3), 52.0-83.4 mm SL., Jun. 15, 1996; St. 4(1), 94.5 mm SL., Jun. 17, 1996; St. 5(5), 66.4-80.6 mm SL., Aug. 17, 1996; St. 6(8), 65.3-73.5 mm SL., Sep. 19, 1996; St. 6(16), 49.2-60.2 mm SL., Oct. 19, 1996; St. 4(1), 48.9 mm SL., Dec. 21, 1996; St. 5(12), 36.7-93.1 mm SL., Dec. 22, 1996; St. 6(11), 32.2-82.4 mm SL., Dec. 16, 1996; St. 3(1), 47.1 mm SL., Jan. 23, 1997; St. 6(2), 41.3-65.7 mm SL., Mar. 18, 1997, set net and trawl.

Family Emmelichthyidae

91. *Erythrocles schlegelii* Richardson 선홍치

St. 5(1), 389.4 mm SL., Dec. 22, 1996, set net.

Family Lobotidae

92. *Lobotes surinamensis* (Bloch) 백미돔

St. 3(1), 278.5 mm SL., Jul. 16, 1996, set net.

Family Haemulidae

93. *Hapalogenys mucronatus* (Eydoux et Souleyet) 균평선이

St. 1(5), 41.8-88.3 mm SL., Apr. 20, 1996; St. 3(5), 115.2-121.2 mm, Apr. 21, 1996; St. 4(2), 101.0-101.2 mm SL., Apr. 23, 1996; St. 1(5), 76.1-110.2 mm SL., May. 11, 1996; St. 3(2), 103.6-110.7 mm SL., May. 12, 1996; St. 5(1), 106.1 mm SL., May. 13, 1996; St. 3(1), 144.8 mm SL., Jan. 23, 1997; St. 4(2), 112.1-116.3 mm SL., Jan. 24, 1997; St. 4(2), 133.1-147.8 mm SL., Mar. 17, 1997, set net.

94. *Hapalogenys nitens* Richardson 동갈돔돔

St. 1(1), 157.2 mm SL., May. 11, 1996, set net.

95. *Plectorhynchus cinctus* (Temminck et Schlegel) 어름돔

St. 5(1), 164.6 mm SL., May. 13, 1996; St. 5(2), 156.4-161.5 mm SL., Jan. 25, 1997, set net.

Family Sparidae

96. *Acanthopagrus schlegeli* (Bleeker) 감성돔

St. 3(5) 115.2-121.2 mm SL., Apr. 21, 1996; St. 4(1), 86.3 mm SL., Apr. 23, 1996; St. 1(1), 117.4 mm SL., May. 11, 1996; St. 3(1), 51.7 mm SL., Sep. 18, 1996; St. 5(1), 150.5 mm SL., Mar. 18, 1997, set net.

97. *Dentex tumifrons* (Temminck et Schlegel) 황돔

St. 5(3), 124.9-142.0 mm SL., Jan. 25, 1997, set net.

98. *Pagrus major* (Temminck et Schlegel) 참돔

St. 4(2), 103.7-108.9 mm SL., Apr. 23, 1996; St. 3(5), 95.3-111.6 mm SL., May. 12, 1996; St. 5(1), 144.3 mm SL., May. 13, 1996; St. 4(1), 112.3 mm SL., Jan. 24, 1997; St. 4(1), 150.5 mm SL., Mar. 17, 1997, set net.

Family Nemipteridae

99. *Nemipterus bathybius* Snyder 세줄살꼬리돔

St. 5(1), 208.3 mm SL., Jan. 25, 1997, set net.

100. *Parascloopsis inermis* (Temminck et Schlegel) 네동가리

St. 5(2), 145.2-146.2 mm SL., Jan. 25, 1997, set net.

Family Sciaenidae

101. *Nibea albiflora* (Richardson) 수조기

St. 1(2), 86.4-88.7 mm SL., Apr. 20, 1996; St. 1(16), 71.5-106.8 mm SL., May. 11, 1996; St. 6(4), 146.5 mm SL., May. 13, 1996; St. 4(1), 194.2 mm SL., Sep. 18, 1996; St. 5(1), 115.5 mm SL., Dec. 12, 1996; St. 6(1), 98.2 mm SL., Dec. 22, 1996; St. 4(1), 148.7 mm SL., Jan. 24, 1997; St. 5(1), 107.0 mm SL., Mar. 18, 1997, set net and trawl.

102. *Argyrosomus argentatus* (Houttuyn) 보구치

St. 4(1), 126.8 mm SL., Apr. 23, 1996; St. 3(4), 94.4-144.1 mm SL., May. 12, 1996; St. 6(17), 104.6-146.5 mm SL., May. 13, 1996; St. 5(2), 102.1-102.7 mm SL., Jun. 18, 1996; St. 3(2), 147.8-163.8 mm SL., Sep. 18, 1996; St. 6(1), 69.0 mm SL., Sep. 19, 1996; St. 6(8), 53.7-85.7 mm SL., Oct. 19, 1996; St. 4(4), 108.1-138.2 mm SL., Jan. 24, 1997; St. 5(1), 142.3 mm SL., Jan. 25, 1997; St. 4(1), 151.8 mm SL., Mar. 17, 1997; St. 6(1), 134.7 mm SL., Mar. 18, 1997, set net and trawl.

103. *Johnius grypotus* (Richardson) 민태

St. 1(12), 48.2-114.0 mm SL., Apr. 20, 1996; St. 5(4), 102.7-127.1 mm SL., Jan. 18, 1996; St. 5(3), 114.2-137.1 mm SL., Aug. 17, 1996; St. 6(1), 82.9 mm SL., Sep. 19, 1996; St. 5(2), 132.0-175.1 mm SL., Dec. 22, 1996, set net and trawl.

104. *Pseudosciaena polyactis* Bleeker 참조기

St. 5(4), 114.5-123.7 mm SL., Jan. 18, 1996, set net.

105. *Collichthys niveatus* Jordan et Starks 눈강달이

St. 1(14), 65.2-96.0 mm SL., Apr. 20, 1996; St. 1(15), 72.0-102.1 mm SL., May. 11, 1996; St. 5(4), 96.8-111.4 mm SL., Dec. 22, 1996, set net.

106. *Collichthys lucidus* (Richardson) 황강달이

St. 4(1), 148.7 mm SL., Apr. 23, 1996, set net.

Family Mullidae

107. *Upeneus bensasi* (Temminck et Schlegel) 노랑촉수

St. 6(1), 95.2 mm SL., Mar. 18, 1997, set net.

Family Pentacerotidae

108. *Histiopertus typus* Temminck et Schlegel 황출돔

St. 3(1), 245.7 mm SL., Apr. 22, 1996; St. 5(1), 224.5 mm SL., Jan. 25, 1997, set net.

Family Girellidae

109. *Girella melanichthys* (Richardson) 긴꼬리벵에돔

St. 3(1), 72.8 mm SL., Sep. 18, 1996, angling.

Family Ophegnathidae $\mu\mu^{\circ}\text{CE}^{\circ}$

110. *Oplegnathus fasciatus* (Temminck et Schlegel) 돌돔

St. 4(1), 137.0 mm SL., May. 14, 1996; St. 4(6), 53.6-209.2 mm SL., Sep. 18, 1996; St. 4(1), 109.0 mm SL., Dec. 21, 1996; St. 5(2), 102.4-105.3 mm SL., Dec. 22, 1996; St. 5(1), 126.4 mm SL., Jan. 25 1997, angling and set net.

Family Embitocidae

111. *Ditrema temmincki* Bleeker 망상어

St. 2(1) 148.3 mm SL., Apr. 21, 1996; St. 4(1), 128.7 mm SL., May. 14, 1996; St. 5(5), 132.0-138.1 mm SL., Mar. 18, 1997, set net.

112. *Ditrema viridis* Oshima 청록망상어

St. 2(5), 116.5-137.0 mm SL., Apr. 21, 1996; St. 3(1), 91.5 mm SL., Oct. 17, 1996; St. 3(3), 122.9-167.3 mm SL., Jan. 23, 1997, angling and set net.

113. *Neoditrema ransonneti* Steindachner 인상어

St. 2(1), 117.7 mm SL., Apr. 21, 1996; St. 3(1), 110.2 mm SL., Apr. 22, 1996; St. 3(9), 82.7-94.1 mm SL., Oct. 17, 1996, set net and seine net.

Family Labridae

114. *Halichoeres poecilopterus* (Temminck et Schlegel) 용치놀래기

St. 3(2), 141.4-175.1 mm SL., Jun. 16, 1996; St. 3(1), 166.6 mm SL., Sep. 17, 1996, angling.

115. *Pseudolabrus japonicus* (Houttuyn) 황놀래기

St. 3(1), 176.7 mm SL., Jun. 16, 1996; St. 3(1), 169.2 mm SL., Aug. 11, 1996, angling.

Family Zoarcidae

116. *Zoarcis gilli* Jordan et Starks 등가시치

St. 3(3), 277.5-298.3 mm SL., Sep. 18, 1996; St. 4(1), 331.0 mm SL., Jan. 24, 1997; St. 5(1), 277.6 mm SL., Jan. 25, 1997, set net.

Family Stichaeidae

117. *Zoarchias uchidai* Matusbara 우베도라치

St. 2(3), 46.5-123.5 mm SL., Apr. 21, 1996; St. 3(1), 61.0 mm SL., May. 12, 1996; St. 3(2), 68.1-102.5 mm SL., Dec. 20, 1996; St. 3(3), 36.1-98.4 mm SL., Mar. 16, 1997, seine net.

118. *Ernogrammus hexagrammus* (Temminck et Schlegel) 세줄베도라치

St. 4(1), 109.2 mm SL., Apr. 23, 1996; St. 1(1), 61.5 mm SL., Oct. 16, 1996, seine net.

119. *Chirolophis wui* Wang et Wang 왜도라치

St. 4(1), 242.8 mm SL., May. 14, 1996; St. 5(2), 175.1-190.6 mm SL., May. 13, 1996, set net.

120. *Dictyosoma burgeri* Van der Hoeven 그물베도라치

St. 3(4), 75.6-79.3 mm SL., May. 12, 1996; St. 3(1), 175.5 mm SL., Jun. 16, 1996; St. 5(2), 191.0-198.5 mm SL., Aug. 17, 1996; St. 3(1), 180.3 mm SL., Sep. 18, 1996; St. 1(1), 169.6 mm SL., Oct. 16, 1996; St. 1(1), 141.1 mm SL., Dec. 19, 1996, angling, set net and seine net.

Family Pholididae

121. *Pholis nebulosa* (Temminck et Schlegel) 베도라치

St. 6(1), 204.6 mm SL., Apr. 7, 1996; St. 1(1), 243.0 mm SL., Apr. 20, 1996; St. 3(1), 134.0 mm SL., Apr. 22, 1996; St. 4(1), 186.1 mm SL., Apr. 23, 1996; St. 3(2), 35.7-169.6 mm SL., May. 12, 1996; St. 6(7), 158.7-258.5 mm SL., May. 13, 1996; St. 4(3), 200.6-226.2 mm SL., Jun. 17, 1996; St. 6(1), 193.4 mm SL., Oct. 19, 1996; St. 4(1), 198.2 mm SL., Dec. 21, 1996; St. 6(3), 164.7-193.5 mm SL., Dec. 22, 1996; St. 6(2), 192.3-199.8 mm SL., Jan. 18, 1997, angling, set net and seine net.

122. *Pholis fangi* (Wang et Wang) 흰베도라치

St. 6(10), 108.3-145.7 mm SL., Apr. 7, 1996; St. 4(2), 105.8-109.3 mm SL., Apr. 23, 1996; St. 6(1), 133.2 mm SL., Oct. 19, 1996; St. 4(2), 85.7-87.7 mm SL., Dec. 21, 1996; St. 6(9), 129.6-146.8 mm SL., Jan. 18, 1997, set net and trawl.

Family Pinguipedidae

123. *Parapercis sexfasciatus* (Temminck et Schlegel) 쌍둥가리

St. 4(1), 134.1 mm SL., Apr. 23, 1996; St. 5(6), 131.7-164.6 mm SL., May. 13, 1996; St. 4(1), 93.7 mm SL., May. 14, 1996; St. 4(1), 112.5 mm SL., Oct. 18, 1996; St. 5(2), 119.4-140.2 mm SL., Dec. 22, 1996; St. 3(9), 137.4-178.1 mm SL., Jan. 23, 1997; St. 4(1), 162.8 mm SL., Jan. 24, 1997; St. 5(2), 133.5-143.5 mm SL., Jan. 18, 1997, set net and trawl.

Family Uranoscopidae

124. *Gnathagnus elongatus* (Temminck et Schlegel) 푸렁통구멍

St. 5(1), 154.0 mm SL., May. 13, 1996; St. 4(1), 222.5 mm SL., Jun. 17, 1996, trawl.

125. *Uranoscopus japonicus* Houttuyn 얼룩통구멍

St. 5(1), 163.7 mm SL., May. 13, 1996; St. 4(3), 128.7-157.2 mm SL., Jan. 24, 1997; St. 5(1), 149.5 mm SL., Jan. 25, 1997; St. 4(1), 139.2 mm SL., Mar. 17, 1997, trawl.

126. *Uranoscopus chinensis* Guichenot 민통구멍

St. 1(1), 95.9 mm SL., Jun. 15, 1996; St. 4(1), 123.2 mm SL., Jan. 24, 1997, trawl.

Family Blenniidae

127. *Parablennius yatabei* (Jordan et Snyder) 청베도라치

St. 3(6), 56.8-65.5 mm SL., Jun. 16, 1996; St. 3(2), 57.2-61.6 mm SL., Sep. 18, 1996; St. 4(1), 75.8 mm SL., Sep. 18, 1996; St. 3(1), 65.4 mm SL., Oct. 17, 1996, angling and seine net.

Family Callionymidae

128. *Repomucenus richardsonii* (Bleeker) 동갈양태

St. 3(1), 134.5 mm SL., Apr. 22, 1996; St. 4(1), 87.6 mm SL., May. 14, 1996; St. 4(1), 207.8 mm SL., Sep. 18, 1996, angling and trawl.

129. *Repomucenus lunatus* (Temminck et Schlegel) 돛양태

St. 3(1), 97.5 mm SL., Apr. 22, 1996; St. 4(2), 62.6-87.5 mm SL., Mar. 17, 1997, set net and trawl.

130. *Repomucenus koreanus* Nakabo, Jeom et Li 참돛양태

St. 6(1), 120.8 mm SL., Apr. 7, 1996; St. 1(2), 89.1-95.0 mm SL., Apr. 20, 1996; St. 4(10), 63.2-129.5 mm SL., Apr. 23, 1996; St. 1(2), 78.5-85.3 mm SL., May. 11, 1996; St. 4(17), 93.5-114.8 mm SL., Dec. 21, 1996; St. 4(4), 108.1-138.2 mm SL., Jan. 24, 1997; St. 4(2), 75.5-82.5 mm SL., Mar. 17, 1997; St. 6(1), 90.5 mm SL., Mar. 18, 1997, set net and trawl.

131. *Repomucenus valencienni* (Temminck et Schlegel) 실양태

St. 6(29), 46.8-99.8 mm SL., Apr. 7, 1996; St. 6(36), 59.5-94.7 mm SL., May. 13, 1996; St. 6(2), 80.9-88.2 mm SL., Jun. 18, 1996; St. 6(27), 56.4-95.8 mm SL., Sep. 19, 1996; St. 6(6), 43.9-78.2 mm SL., Oct. 19, 1996; St. 4(6), 59.4-86.0 mm SL., Dec. 21, 1996; St. 6(27), 42.7-128.6 mm SL., Dec. 22, 1996; St. 4(1), 64.2 mm SL., Jan. 24, 1997; St. 6(7), 53.5-79.1 mm SL., Mar. 18, 1997, set net and trawl.

Family Gobiidae

132. *Acanthogobius flavimannus* (Temminck et Schlegel) 문절망둑

St. 2(5), 53.8-72.5 mm SL., Apr. 21, 1996; St. 4(1), 151.8 mm SL., Apr. 23, 1996; St. 1(1), 168.2 mm SL., May. 11, 1996; St. 3(13), 41.2-127.9 mm SL., Sep. 18, 1996; St. 3(5), 48.4-123.9 mm SL., Oct. 17, 1996; St. 6(5), 95.1-134.4 mm SL., Dec. 22, 1996; St. 3(2), 128.9-135.5 mm SL., Mar. 16, 1997. 3. 16.; St. 6(7), 112.6-142.8 mm SL., Mar. 18, 1997, seine net.

133. *Acanthogobius luridus* Ni et Wu 비늘흰발망둑

St. 1(8), 49.9-57.6 mm SL., Apr. 20, 1996; St. 1(1), 62.4 mm SL., May. 11, 1996; St. 1(2), 20.7-27.0 mm SL., Sep. 17, 1996; St. 1(1), 27.8 mm SL., Oct. 16, 1996; St. 1(46), 24.7-43.8 mm SL., Dec. 16, 1996; St. 3(7), 28.8-34.3 mm SL., Dec. 20, 1996; St. 1(1), 29.3 mm SL., Mar. 15, 1997; St. 3(22), 21.8-67.2 mm SL., Mar. 16, 1997, seine net.

134. *Acanthogobius lactipes* (Helgendorf) 흰발망둑

St. 2(51), 22.9-50.5 mm SL., Apr. 21, 1996; St. 3(2), 34.9-37.6 mm SL., May. 11, 1996; St. 1(6), 23.5-51.2 mm SL., Jun. 15, 1996; St. 2(2), 29.3 mm SL., Jun. 15, 1996, seine net.

135. *Synechogobius hasta* (Temminck et Schlegel) 풀망둑

St. 4(1), 197.1 mm SL., Apr. 23, 1996; St. 1(2), 49.1-68.8 mm SL., Sep. 17, 1996; St. 3(14), 61.7-123.4 mm SL., Sep. 18, 1996; St. 3(11), 86.2-174.7 mm SL., Oct. 17, 1996; St. 3(2), 111.0-144.4 mm SL., Dec. 20, 1996; St. 3(2), 197.2-302.9 mm SL., Jan. 23, 1997; St. 1(1), 119.3 mm SL., Mar. 15, 1997, seine net.

136. *Acentrogobius pflaumi* (Bleeker) 줄망둑

St. 6(15), 42.7-62.8 mm SL., Apr. 7, 1996; St. 4(2), 51.6-75.1 mm SL., Apr. 23, 1996; St. 4(2), 49.5-58.8 mm SL., May. 14, 1996; St. 6(26), 51.0-63.8 mm SL., Sep. 19, 1996; St. 6(13), 56.5-60.6 mm SL., Oct. 19, 1996; St. 4(2), 33.5-41.5 mm SL., Mar. 17, 1997; St. 6(9), 58.5-67.2 mm SL., Mar. 18, 1997, set net.

137. *Pseudogobius masago* (Tomiyama) 애기망둑

St. 3(4), 14.1-19.0 mm SL., Sep. 18, 1996; St. 1(6), 18.4-26.0 mm SL., Dec. 19, 1996; St. 3(10), 18.9-024.3 mm SL., Dec. 20, 1996, seine net.

138. *Chaenogobius urotaenia* (Higendorf) 꼭저구

St. 2(5), 53.2-85.2 mm SL., Apr. 21, 1996; St. 4(1), 82.6 mm SL., May. 14, 1996; St. 3(7), 47.7-77.3 mm SL., Mar. 16, 1997; St. 4(1), 76.5 mm SL., Mar. 17, 1997, seine net.

139. *Chaeturichthys hexanema* Bleeker 도화망둑

St. 6(1), 51.7-108.2 mm SL., Apr. 7, 1996; St. 1(7), 68.1-109.0 mm SL., Apr. 20, 1996; St. 1(3), 61.9-102.1 mm SL., May. 11, 1996; St. 6(4), 89.2-98.6 mm SL., May. 13, 1996; St. 6(3), 46.4-92.4 mm SL., Sep. 19, 1996; St. 6(6), 51.3-62.1 mm SL., Oct. 19, 1996; St. 6(27), 57.7-96.5 mm SL., Dec. 22, 1996; St. 6(2), 91.5-98.9 mm SL., Mar. 18, 1997, set net.

140. *Chaeturichthys stigmatias* Richardson 쉬쉬망둑

St. 6(1), 95.5-158.0 mm SL., Apr. 7, 1996; St. 1(4), 72.1-127.1 mm SL., Apr. 20, 1996; St. 1(2), 101.0-121.6 mm SL., May. 11, 1996; St. 6(3), 106.2-146.2 mm SL., May. 13, 1996; St. 6(9), 93.6-142.7 mm, SL. Mar. 18, 1997, set net.

141. *Chaeturichthys sciistius* Jordan et Snyder 수염문절

St. 6(1), 87.6 mm SL., Dec. 22, 1996, set net.

142. *Chasmichthys dolichoganthus* (Hilgendorf) 점망둑

St. 2(6), 40.7-55.0 mm SL., Apr. 21, 1996; St. 3(2), 41.5-53.8 mm SL., May. 12, 1996; St. 2(2), 44.5-47.2 mm SL., Jun. 15, 1996; St. 1(1), 58.8 mm SL., Oct. 16, 1996; St. 2(2), 31.5-43.5 mm SL., Oct. 16, 1996; St. 3(13), 29.6-41.0 mm SL., Oct. 17, 1996; St. 1(1), 58.8 mm SL., Dec. 19, 1996; St. 1(3), 32.0-37.8 mm SL., Dec. 19, 1996; St. 3(21), 34.0-45.0 mm SL., Dec. 20, 1996; St. 1(2), 37.5-43.6 mm SL., Mar. 15, 1997; St. 6(2), 49.5-52.6 mm SL., Dec. 18, 1997, seine net.

143. *Chasmichthys gulosus* (Guichenot) 별망둑

St. 2(5), 44.0-62.0 mm SL., Apr. 21, 1996; St. 3(7), 58.3-70.7 mm SL., Sep. 18, 1996; St. 1(1), 58.8 mm SL., Oct. 16, 1996; St. 3(14), 61.3-108.2 mm SL., Oct. 17, 1996; St. 1(1), 58.8 mm SL., Dec. 19, 1996; St. 3(1), 48.4 mm SL., Dec. 20, 1996, angling and seine net.

144. *Cryptocentrus filifer* (Cuvier et Valenciennes) 실망둑

St. 4(1), 69.4 mm SL., Apr. 23, 1996; St. 6(1), 94.7 mm, SL. May. 13, 1996; St. 6(4), 123.1-135.4 mm SL., Sep. 19, 1996; St. 6(2), 73.5-75.7 mm SL., Oct. 19, 1996; St. (1), 79.2 mm SL., Dec. 22, 1996, set net.

145. *Luciogobius guttatus* Gill 미끈망둑

St. 2(2) 50.8-55.0 mm SL., Apr. 21, 1996; St. 3(12), 34.6-56.8 mm SL., May. 12, 1996; St. 2(3), 42.6-53.1 mm SL., Jun. 15, 1996; St. 3(1), 45.4 mm SL., Oct. 17, 1996; St. 3(14), 24.4-58.8 mm SL., Dec. 20, 1996; St. 4(7), 45.9-57.4 mm SL., Mar. 17, 1997; St. 6(1), 59.8 mm SL., Mar. 18, 1997, seine net.

146. *Luciogobius saikaiensis* Dōtu 왜미끈망둑

St. 2(1), 28.9 mm SL., Apr. 2, 1996, seine net.

147. *Mugilogobius abei* (Jordan et Snyder) 모치망둑

St. 3(2), 22.6-39.8 mm SL., Mar. 16, 1997, seine net.

148. *Pterogobius zonoleucus* Jordan et Snyder 흰줄망둑

St. 3(12), 36.9—49.4 mm SL., Oct. 17, 1996, seine net.

149. *Peropthalmus modestus* Cantor 말뚝망둥어

St. 1(8), 37.0-66.4 mm SL., Jun. 15, 1996; St. 1(1), 49.7 mm SL., Dec. 19, 1996, seine net.

150. *Tridentiger barbatus* (Günther) 아작망둑

St. 1(9), 43.2-90.5 mm SL., Apr. 20, 1996; St. 1(4), 62.2-75.4 mm SL., May. 11, 1996, set net.

151. *Tridentiger obscurus* (Temminck et Schlegel) 검정망둑

St. 2(12), 23.2-57.5 mm SL., Apr. 21, 1996; St. 3(1), 50.3 mm SL., Oct. 17, 1996; St. 3(20),

25.5-61.0 mm SL., Mar. 16, 1997, set net and seine net.

152. *Tridentiger trionocephalus* (Gill) 두줄망둑

St. 1(2) 56.2-57.2 mm SL., Apr. 20, 1996; St. 2(2), 29.8-52.7 mm SL., Apr. 21, 1996; St. 1(2), 58.4-70.5 mm SL., May. 11, 1996; St. 3(16), 32.8-61.3 mm SL., May. 12, 1996; St. 1(2), 38.6-38.8 mm SL., Jun. 15, 1996; St. 3(4), 51.2-86.0 mm SL., Jun. 16, 1996; St. 1(6), 24.5-34.7 mm SL., Sep. 17, 1996; St. 3(59), 17.0-59.0 mm SL., Sep. 18, 1996; St. 4(35), 48.1-63.8 mm SL., Sep. 18, 1996; St. 1(6), 24.1-56.5 mm SL., Oct. 16, 1996; St. 3(6), 28.7-69.8 mm SL., Oct. 17, 1996; St. 4(11), 47.7-72.7 mm SL., Oct. 18, 1996; St. 1(23), 19.5-37.5 mm SL., Dec. 19, 1996; St. 3(32), 21.1-48.9 mm SL., Dec. 20, 1996; St. 4(2), 29.7-32.6 mm SL., Dec. 21, 1996; St. 1(3), 45.5-51.7 mm SL., Mar. 15, 1997; St. 3(13), 28.1-52.6 mm SL., Mar. 16, 1997; St. 4(6), 28.0-42.5 mm SL., Mar. 17, 1997; St. 6(3), 66.3-81.4 mm SL., Mar. 18, 1997, set net and seine net.

153. *Leucopsarion petersii* Hilgendorf 사백어

St. 2(27), 38.7-47.9 mm SL., Apr. 21, 1996, seine net.

154. *Ctenotrypauchen microcephalus* (Bleeker) 빨갱이

St. 6(3), 103.1-117.3 mm SL., Apr. 7, 1996; St. 1(1), 55.0 mm SL., Apr. 20, 1996; St. 6(5), 102.3-123.7 mm SL., Sep. 19, 1996; St. 6(5), 101.4-111.8 mm SL., Oct. 19, 1996; St. 6(4), 90.5-109.0 mm SL., Dec. 22, 1996; St. 5(2), 96.5-106.6 mm SL., Mar. 18, 1997, set net.

Family Siganidae

155. *Sigamus fuscescens* (Houttuyn) 독가시치

St. 5(1), 284.3 mm SL., Jul. 15, 1996; St. 5(2), 143.4-147.3 mm SL., Dec. 22, 1996, set net.

Family Sphyraenidae

156. *Sphyraena pinguis* Günther 꼬치고기

St. 4(1), 213.6 mm SL., Apr. 23, 1996; St. 5(3), 178.0-208.4 mm SL., May. 13, 1996; St. 5(2), 75.7-209.6 mm SL., Aug. 17, 1996; St. 5(6), 124.8-148.2 mm SL., Sep. 19, 1996, set net.

Family Trichiuridae

157. *Trichiurus lepturus* Linnaeus 갈치

St. 1(2), 151.7-183.9 mm SL., May. 11, 1996; St. 1(6), 44.2-264.2 mm SL., Jun. 15, 1996, set net.

Family Scombridae

158. *Scomber japonicus* Houttuyn 고등어

St. 1(1), 189.7 mm SL., Apr. 20, 1996; St. 1(4), 155.7-186.0 mm SL., May. 11, 1996; St. 3(1), 164.7 mm SL., May. 12, 1996; St. 3(1), 221.1 mm SL., Sep. 18, 1996; St. (1), 237.1 mm SL., Jan. 22, 1997, set net.

159. *Scomberomorus niphonius* (Cuvier) 삼치

St. 5(1), 368.9 mm SL., Oct. 19, 1996, angling.

160. *Sarda orientalis* (Temminck et Schlegel) 출삼치

St. 5(1), 371.0 mm SL., Aug. 17, 1996, set net.

Family Centrolophidae

161. *Hyperoglyphe japonica* (Döderlein) 연어병치

St. 5(1), 415.6 mm SL., Jan. 25, 1997, set net.

Family Stromateidae

162. *Pampus argenteus* (Eupherasen) 병어

St. 6(2), 56.7-81.2 mm SL., Apr. 7, 1996; St. 1(1), 49.6 mm SL., Apr. 20, 1996; St. 1(16), 45.8-97.4 mm SL., May. 11, 1996; St. 1(1), 50.6 mm SL., Jun. 15, 1996; St. 4(1), 128.2 mm SL., Mar. 17, 1997, set net.

163. *Pampus echinogaster* (Basilewsky) 덕대

St. 4(1), 133.2 mm SL., Jun. 17, 1996; St. 5(1), 104.9 mm SL., Jun. 18, 1996; St. 5(2), 77.6-123.1 mm SL., Aug. 17, 1996; St. 5(17), 98.2-133.7 mm SL., Sep. 19, 1996; St. 6(2), 72.7-81.6 mm SL., Oct. 19, 1996; St. 5(1), 101.2 mm SL., Dec. 22, 1996; St. 1(1), 142.3 mm SL., Jan. 22, 1997, set net.

Order Pleuronectiformes

Family Bothidae

164. *Laeops kitaharae* (Smith et Pope) 흰비늘가자미

St. 5(1), 126.5 mm SL., Dec. 22, 1996, trawl.

Family Paralichthyidae

165. *Paralichthys olivaceus* (Temminck et Schlegel) 넙치

St. 3(1), 218.7 mm SL., Jun. 16, 1996; St. 4(1), 147.0 mm SL., Sep. 18, 1996; St. 3(1), 190.2 mm SL., Jan. 23, 1997, set net and trawl.

166. *Pseudorhombus cinnamoneus* (Temminck et Schlegel) 별넙치

St. 3(1), 285.2 mm SL., May. 12, 1996, set net.

167. *Pseudorhombus pentophthalmus* Günther 점넙치

St. 4(2), 156.1-158.2 mm SL., Apr. 23, 1996; St. 3(1), 145.1 mm SL., May. 12, 1996; St. 5(3), 120.7-142.8 mm SL., May. 13, 1996; St. 6(2), 78.6-83.1 mm SL., Oct. 19, 1996; St. 5(1), 100.9 mm SL., Dec. 22, 1996; St. 6(1), 63.9 mm SL., Mar. 18, 1997, set net and trawl.

Family Pleuronectidae

168. *Cleisthenes pinetoum* (Schmidt) 용가자미

St. 3(1), 182.4 mm SL., Jan. 23, 1997; St. 4(5), 167.9-187.8 mm SL., Mar. 17, 1997; St. 5(2), 134.7-158.2 mm SL., Mar. 18, 1997, set net and trawl.

169. *Eopsetta grigorjewi* (Herzenstein) 물가자미

St. 3(1), 111.8 mm SL., Apr. 22, 1996; St. 4(3), 257.2-186.2 mm SL., Apr. 23, 1996; St. 3(4), 109.6-123.3 mm SL., May. 12, 1996; St. 3(1), 152.3 mm SL., Sep. 18, 1996; St. 5(3), 106.5-119.8 mm SL., Dec. 22, 1996; St. 4(2), 152.0-168.3 mm SL., Jan. 24, 1997; St. 4(4), 152.1-180.3 mm SL., Mar. 17, 1997; St. 5(1), 150.8 mm SL., Mar. 18, 1997, set net and trawl.

170. *Kareius bicoloratus* (Basilewsky) 돌가자미

St. 2(1), 192.5 mm SL., Apr. 21, 1996; St. 4(6), 141.9-181.0 mm SL., Mar. 17, 1997; St. 5(3), 141.7-178.1 mm SL., Mar. 18, 1997, set net and trawl.

171. *Pleuronectes yokohamae* (Günther) 문치가자미

St. 5(9), 139.8-203.9 mm SL., Jun. 18, 1996; St. 4(1), 128.5 mm SL., Dec. 21, 1996; St. 1(2), 142.3-145.1 mm SL., Jan. 22, 1997; St. 4(1), 157.8 mm SL., Mar. 17, 1997; St. 5(1), 134.2 mm SL., Mar. 18, 1997; St. 6(1), 71.5 mm SL., Mar. 18, 1997, angling, set net and trawl.

172. *Microstomus achne* (Jordan et Starks) 찰가자미

St. 4(1), 245.3 mm SL., Jan. 24, 1997; St. 4(1), 219.5 mm SL., Mar. 17, 1997, trawl.

173. *Pleuronichthys cornutus* (Temminck et Schlegel) 도다리

St. 4(1), 139.3 mm SL., Apr. 23, 1996; St. 1(1), 147.0 mm SL., May. 11, 1996; St. 3(1), 102.8 mm SL., May. 12, 1996; St. 6(1), 86.2 mm SL., Jun. 18, 1996; St. 3(1), 130.8 mm SL., Sep. 18, 1996; St. 4(2), 131.6-144.2 mm SL., Jan. 24, 1997; St. 5(1), 115.6 mm SL., Jan. 25, 1997; St. 4(2), 158.5-169.4 mm SL., Mar. 17, 1997, trawl.

174. *Clidoderma asperrimum* (Temminck et Schlegel) 줄가자미

St. 3(1), 135.5 mm SL., May. 12, 1996; St. 3(3), 100.8-102.7 mm SL., Sep. 18, 1996; St. 3(1), 180.3 mm SL., Jan. 23, 1997, set net.

175. *Tanakius kitaharai* (Jordan et Starks) 갈가자미

St. 4(1), 138.4 mm SL., Jan. 24, 1997; St. 5(1), 148.8 mm SL., Jan. 25, 1997, set net and trawl.

Family Soleidae

176. *Zebrias fasciatus* Basilewsky 노랑각시서대

St. 5(2), 128.2-194.2 mm SL., May. 13, 1996; St. 3(1), 200.4 mm SL., Sep. 18, 1996; St. 5(1), 144.2 mm SL., Sep. 19, 1996; St. 6(5), 54.0-70.7 mm SL., Sep. 19, 1996; St. 4(1), 186.8 mm SL., Jan. 24, 1997; St. 5(2), 178.1-198.9 mm SL., Jan. 25, 1997, set net and trawl.

177. *Pseudaesopia japonica* (Bleeker) 각시서대

St. 3(3), 148.8-156.2 mm SL., Apr. 21, 1996; St. 1(1), 67.1 mm SL., May. 11, 1996; St. 3(1), 148.0 mm SL., May. 12, 1996; St. 4(3), 136.5-153.5 mm SL., May. 14, 1996; St. 5(2), 122.6-148.4 mm SL., May. 13, 1996; St. 5(3), 126.1-148.5 mm SL., Jun. 18, 1996; St. 3(1), 133.9 mm SL., Jan. 23, 1997, set net and trawl.

Family Cynoglossidae

178. *Cynoglossus joyneri* Günther 참서대

St. 6(1), 132.3-136.7 mm SL., Apr. 7, 1996; St. 1(3), 110.0-133.5 mm SL., Apr. 20, 1996; St. 1(1), 127.4 mm SL., May. 11, 1996; St. 5(6), 127.8-152.2 mm SL., May. 13, 1996; St. 5(3), 130.2-171.4 mm SL., Aug. 17, 1996; St. 6(6), 87.5-139.7 mm SL., Sep. 19, 1996; St. 6(1), 98.3 mm SL., Oct. 19, 1996; St. 6(6), 78.8-131.5 mm SL., Dec. 22, 1996; St. 1(1), 158.2 mm SL., Jan. 22, 1997; St. 4(9), 121.3-169.2 mm SL., Mar. 17, 1997, set net and trawl.

179. *Cynoglossus robustus* Günther 개서대

St. 4(2), 203.2-232.5 mm SL., Apr. 23, 1996; St. 5(3), 130.0-138.2 mm SL., Dec. 22, 1996; St. 3(1), 223.4 mm SL., Jan. 23, 1997; St. 4(1), 193.7 mm SL., Mar. 17, 1997; St. 5(2), 225.2-227.7 mm SL., Mar. 18, 1997, set net and trawl.

180. *Cynoglossus abbreviatus* (Gray) 용서대

St. 1(1), 139.4 mm SL., Apr. 20, 1996; St. 4(1), 190.5 mm SL., Apr. 23, 1996; St. 1(3), 147.8-194.0 mm SL., May. 11, 1996; St. 1(1), 226.5 mm SL., Jan. 22, 1997; St. 3(2), 191.8-235.5 mm SL., Jan. 23, 1997; St. 4(3), 195.7-222.6 mm SL., Jan. 24, 1997, set net and trawl.

Order Tetraodontiformes

Family Monacanthidae

181. *Stephanolepis cirrhifer* (Temminck et Schlegel) 쥐치

St. 5(3), 106.5-119.8 mm SL., Dec. 22, 1996, set net.

182. *Thamnaconus modestus* (Günther) 말쥐치

St. 3(1), 172.1 mm SL., Apr. 22, 1996; St. 4(1), 151.6 mm SL., Apr. 23, 1996; St. 1(1), 147.6 mm SL., May. 11, 1996, set net.

Family Tetraodontidae

183. *Takifugu chinensis* (Abe) 참복

St. 5(1), 152.5 mm SL., May. 13, 1996, angling.

184. *Takifugu niphobles* (Jordan et Snyder) 복섬

St. 1(5), 73.5-107.0 mm SL., Apr. 20, 1996; St. 3(1), 51.4 mm SL., Apr. 22, 1996; St. 4(1), 91.9 mm SL., Apr. 23, 1996; St. 1(1), 100.1 mm SL., May. 11, 1996; St. 3(4), 40.7-117.2 mm SL., May. 12, 1996; St. 3(2), 101.2-104.5 mm SL., Jun. 16, 1996; St. 4(1), 76.0 mm SL., Jun. 17, 1996; St. 5(1), 82.5 mm SL., Aug. 17, 1996; St. 3(4), 35.0-37.9 mm SL., Sep. 18, 1996; St. 3(5), 37.5-42.4 mm SL., Oct. 17, 1996; St. 3(8), 33.7-82.1 mm SL., Dec. 20, 1996; St. 4(1), 57.7 mm SL., Dec. 21, 1996; St. 6(1), 87.0 mm SL., Dec. 22, 1996; St. 3(1), 40.7 mm SL., Mar. 16, 1997; St. 6(1), 87.7 mm SL., Mar. 18, 1997, angling and set net.

185. *Takifugu pardalis* (Temminck et Schlegel) 졸복

St. 3(4), 91.3-134.2 mm SL., Apr. 21, 1996; St. 3(1), 135.4 mm SL., May. 12, 1996; St. 3(1), 148.0 mm SL., Dec. 20, 1996, set net.

186. *Takifugu obscurus* (Abe) 황복

St. 1(1), 87.0 mm SL., Apr. 20, 1996, set net.

187. *Takifugu rubripes* (Temminck et Schlegel) 자주복

St. 3(1), 160.8 mm SL., Dec. 20, 1996; St. 4(1), 177.6 mm SL., Jan. 24, 1997, angling.

188. *Takifugu vermicularis* (Temminck et Schlegel) 국매리복

St. 1(7), 71.8-95.0 mm SL., Apr. 20, 1996; St. 1(7), 75.5-126.5 mm SL., May. 11, 1996; St. 3(1), 138.4 mm SL., May. 12, 1996; St. 4(1), 84.5 mm SL., May. 14, 1996; St. 4(1), 140.3 mm SL., Jun. 17, 1996; St. 1(1), 140.5 mm SL., Aug. 10, 1996.; St. 4(1), 139.0 mm SL., Mar. 17, 1997, set net.

189. *Takifugu xanthopterus* (Temminck et Schlegel) 까치복

St. 5(1), 176.8 mm SL., Aug. 17, 1996, angling.

190. *Takifugu alboplumbeus* (Richardson) 황해흰점복

St. 1(3), 70.7-111.0 mm SL., Apr. 20, 1996; St. 3(4), 61.8-129.5 mm SL., Apr. 21, 1996; St. 1(1), 79.5 mm SL., May. 11, 1996; St. 1(2), 140.1-144.9 mm SL., Aug. 10, 1996; St. 4(1), 60.6 mm SL., Sep. 18, 1996; St. 3(2), 98.4-118.2 mm SL., Oct. 17, 1996; St. 4(4), 62.1-71.8 mm SL., Dec. 21, 1996; St. 3(1), 113.2 mm SL., Jan. 23, 1997, set net.

DISCUSSION

In the fish fauna along the southwest coast of Korea, 94 species at Kohung-gun, and 113 species at the Kumdo Island, Chollanam-do province were reported respectively (Lee *et al.*, 1990; Kim *et al.*, 1995). We collected 190 species in 82 families in the present investigation. Among them the order Perciformes composed 49% (94 species) and then order Scorpaeniformes included 13% (25 species) of total species collected in these areas. And over 90 species of fishes were collected from the three areas of Yosu, Wando and Kohung respectively, where the bottoms were covered with mud and rock. Through the results of this investigation, 69 species in 21 families were added in the checklist of the fish in the southwestern coast of Korea. Thus, the fishes of southwestern coast of Korea consist of

Table 1. Comparison of taxa of the fishes from Korea and southwestern coast of Korea

Order	Korea			Southwestern coast of Korea		
	Family	genus	species	Family	genus	species
Myxiniformes	1	2	2	1	1	1
Petromyzontiformes	1	1	3	-	-	-
Chimaeriformes	1	2	3	-	-	-
Heterodontiformes	1	1	2	-	-	-
Orectolobiformes	3	3	3	-	-	-
Carcharhiniformes	4	13	15	2	2	2
Lamniformes	4	6	16	-	-	-
Hexanchiformes	1	2	2	-	-	-
Squaliformes	2	2	5	-	-	-
Squatiformes	1	1	2	-	-	-
Pristiophoriformes	1	1	1	-	-	-
Rajiformes	8	12	23	4	4	6
Acipenseriformes	1	1	3	-	-	-
Elopiformes	2	2	2	-	-	-
Albuliformes	2	2	2	-	-	-
Anguilliformes	5	16	22	4	5	5
Cluperiformes	4	15	20	2	7	9
Gonorhynchiformes	1	1	1	-	-	-
Cypriniformes	2	39	82	2	5	6
Siluriformes	5	6	14	3	3	3
Osmeriformes	3	11	14	2	2	2
Salmoniformes	1	6	12	-	-	-
Stomiiformes	1	1	1	-	-	-
Ateleopodiformes	1	1	1	-	-	-
Aulopiformes	3	6	8	1	3	3
Myctophiformes	2	2	3	-	-	-
Lampridiformes	3	3	3	1	1	1
Ophidiiformes	1	3	3	1	2	2
Gardiiformes	5	8	10	2	2	2
Lophiiformes	3	6	7	2	3	3
Mugiliformes	1	2	3	1	2	3
Atheriniformes	2	3	4	1	1	1
Beloniformes	5	11	16	5	6	6
Beryciformes	3	6	6	-	-	-
Zeiformes	2	3	3	1	1	1
Gasterosteiformes	6	10	19	1	2	3
Synbranchiformes	2	2	2	-	-	-
Scorpaeniformes	14	69	130	8	18	34
Perciformes	79	239	392	40	87	118
Pleuronectiformes	6	33	47	5	16	22
Tetraodontiformes	9	29	51	2	5	12
Total	202	582	958	91	178	245

245 species and 178 genera in 91 families (Table 1).

In Particular, the southwestern coast of Korea is profoundly influenced by the currents of Tsushima and Yellow Sea (Lim, 1971; Lie, 1984; Na *et al.*, 1990; Pang *et al.*, 1992; Cho and Kim, 1994). During summer and autumn, the warmwater fishes appeared by the currents of the Tsushima and the Yellow Sea, while in winter and spring, the coldwater fishes appeared by the coastal cold water. Also, *Chirolophis wui*, *Pholis fangi*, *Repomucenus koreanus* and *Acanthogobius luridus* were endemic species of the Yellow Sea (Hur and Yoo, 1983. Iwata and Jeon, 1987; Nakabo *et al.*, 1987; Kim and Kang, 1991; Lee and Kim, 1993). As a result, the distribution of fishes in this area was similar to those of the Yellow Sea.

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한국 남서 연안에 서식하는 어류상

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적 요

우리 나라 남해 서부 연안에서 1996년 4월부터 1997년 3월까지 월 1회 어류를 조사하여 19목 82과 149속 190종을 채집하였다. 그 가운데 농어목은 94종이 출현하여 전체 출현종의 49%를 차지하였다. 채집된 어류중 두줄망둑 *Tridentiger trignocephalus*, 실양태 *Repomucenus valenciennesi* 및 풀반돔이 *Thryssa adela*가 가장 우세하게 출현하였다. 또한 황해고유종인 왜도라치 *Chirolophis wui*, 흰베도라치 *Pholis faugi*, 참돔양태 *Repomucenus koreanus*, 비늘흰발망둑 *Acanthogobius luridus* 등이 출현하여 이 지역은 황해의 영향권에 있음을 알 수 있었다.