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Notable observations of birds in Senegal (excluding Parc National des Oiseaux du Djoudj), 1984–1994

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Summary

Notes on the distribution and abundance of 438 species recorded in Senegal from 1984 to 1994 are presented. Three species were observed for the first time in Senegal, a further 50 species were recorded that had been seen on less than ten previous occasions in Senegal and 273 species were recorded in at least a single additional one-degree square than previously reported.

Résumé

Nous présentons les résultats acquis de 1984 à 1994 au Sénégal, relatifs à la distribution et à l'abondance de 438 espèces. Trois espèces ont été observées pour la première fois au Sénégal; 50 autres qui n'avaient fait jusqu'à présent l'objet que de moins de dix observations dans le pays ont été notées; 273 ont été recensées sur au moins un degré-carré nouveau.

Introduction

From 1984 to 1994, observations of all species at 122 localities (coordinates are given in Appendix 3) in Senegal were recorded by members of expeditions from the Biologische Station Rieselfelder Münster (OAG Münster) (1984–5 and 1987–8), the Centre de Recherches sur la Biologie des Populations d'Oiseaux, Ligue pour la Protection des Oiseaux and Fonds d'Intervention pour les Rapaces (CRBPO, LPO, FIR), (1987–93), Rijksinstituut voor Natuurbeheer (RVN) (1987–88), R. Beecroft *et al.* (1990), International Ornithological Expedition (IOE) (1990–94) and Office National de la Chasse (ONC) (1990–94). Additional records were collected by Gérard and Marie-Yvonne Morel, and supplied by some independent observers (see Appendices 1 and 2).

Only information considered new is included in the main text, e.g. rare species, species previously unrecorded from a particular one-degree square in Morel & Morel (1990) or where existing published data were limited or lacking.

Large areas of forest and savanna are currently being lost to deforestation and over-grazing. To monitor future changes of bird populations it is essential that observations be collected systematically. There is a particular need for surveys in the central, eastern and south-western regions of Senegal, where there has been comparatively little coverage. The present paper, in addition to that of Rodwell *et al.* (1996), provides important data on the current status of birds from most of Senegal and a baseline for future studies.

Results

Vernacular names of birds will be found in the systematic list. Three species were recorded for the first time in Senegal: *Tringa flavipes*, a vagrant from North America that has previously been recorded in The Gambia; *Hirundo griseopyga*, occasionally observed in The Gambia; *Chlorocichla simplex*, which occurs in Guinea-Bissau. These species are indicated in the systematic list with a double asterisk (**).

At least 50 species were observed that have previously been recorded in Senegal on less than ten occasions. These are indicated by a single asterisk (*). Another 273 species were recorded in at least one additional one-degree square than shown in the distribution maps of Morel & Morel (1990). The new squares are listed for each species (see Fig. 1 for location of regions and some localities, and Fig. 2 for location of squares). Most range increases were in the central and southern regions, where ornithological data are limited.

The systematic list follows the order and numbering used by Morel & Morel (1990). The vernacular and scientific names are taken from Brown *et al.* (1982), Urban *et al.* (1986) and Fry *et al.* (1988) for non-passerines, and from Serle & Morel (1977) for passerines, with the exception of *Falco pelegrinoides*, *Hirundo lucida* and *Motacilla aguimp* (Dowsett & Dowsett-Lemaire 1993).

Abbreviations

LOU: Région de Louga

POD: Région de Podor

LIN: Région de Linguère

DAK: Région de Dakar

KAO: Région de Kaolack

KAF: Région de Kaffrine

MAT: Région de Matam

ZIG: Région de Ziguinchor

KOL: Région de Kolda

TAM: Région de Tambacounda

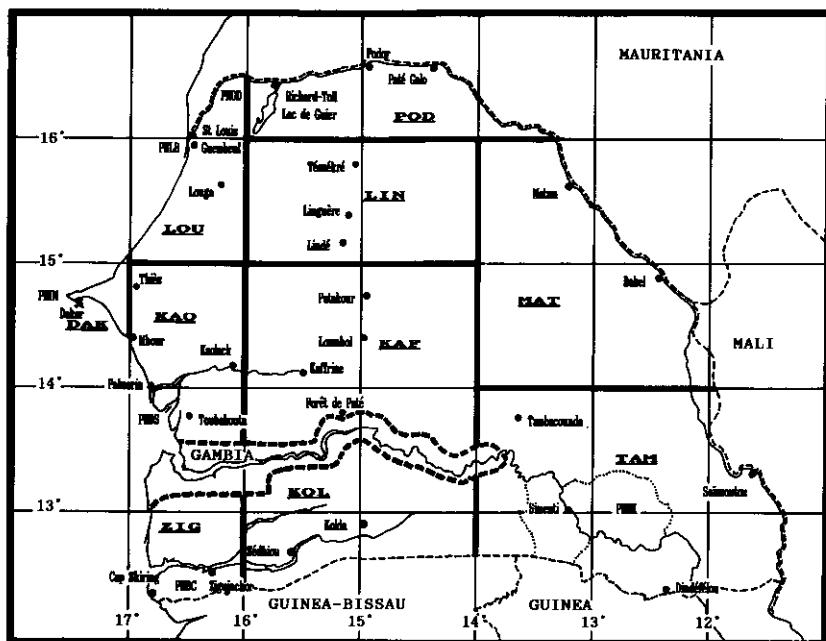


Figure 1. Regions of Senegal, and some localities, mentioned in text.

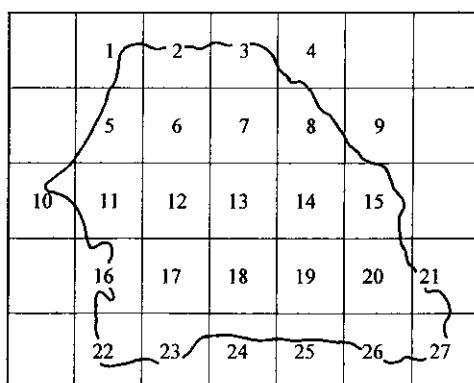


Figure 2. Location of one-degree grid squares.

BC: Basse Casamance, referring to the lower section of the River Casamance in the Région de Ziguinchor, Casamance being the part of Senegal south of The Gambia.

DSP: Dakar Sewage Ponds

LSRSD: Lower Section of R. Senegal Delta (bas delta du Sénégal) refers to the area of the delta from St-Louis to PNLB.

PDA: Pointe des Almadies

PNBC: Parc national de Basse Casamance.

PNDS: Parc national du Delta du Saloum.

PNIM: Parc national des Iles de la Madeleine.

PNLB: Parc national de la Langue de Barbarie.

PNNK: Parc national de Niokolo-Koba.

PNOD: Parc national des Oiseaux du Djoudj.

SL: Saint-Louis

SLWR: St-Louis Water Treatment Reservoir

M&M: Morel & Morel (1990)

ad.: Adult

1y: First-year

imm.: Immature

ch.: Chick

P: Present (no numbers available)

Status

Rare: five or less birds during the 1984–94 study period.

Scarce: 6–20 records.

Uncommon, seen infrequently.

Frequent, 1–10 birds seen regularly.

Common, up to 100 birds seen regularly.

Abundant, more than 100 birds seen regularly.

Podicipedidae

Tachybaptus ruficollis Little Grebe 2. New squares 5, 12, 22. Common to abundant winter visitor LOU, POD, DAK, KAO, KAF, recorded once in KAO and ZIG. Max. 263, Apr 1994 at SLWR. Breeding recorded at LOU (Apr), DAK (Jan) and KAF (Nov). [Breeds Senegal delta and DAK, Nov-Feb (M&M, Rodwell *et al.* 1996).].

Podiceps nigricollis Black-necked Grebe 3*. New square 5. Frequent to common LOU at SLWR, Oct–Apr, max. 34, 1990–1 (Bailleul & Le Gal 1991) and 29, 1991–2.

Procellariidae

Calonectris diomedea Cory's Shearwater 5. Frequent to abundant DAK off PDA, late Sep–Nov and Mar to mid-Jul, scarce Dec–Feb. Max. 3146/h, Nov 1991. Passage also recorded Sep–Nov 1990 (Baillon & Dubois 1992), Apr 1992 (Marr & Porter 1992). [Offshore May–Sep (Dupuy 1984).]

Puffinus gravis Great Shearwater 6*. DAK, PDA; one feeding, 28 Jan 1992; seven north, 2 Jun 1992; four, 18 Nov 1992. [Two previous records off Senegal (M&M).]

P. griseus Sooty Shearwater 7. Frequent to abundant DAK off PDA, Sep-Nov, one record in May. Max. 450/h, Sep 1990. Passage also recorded late Sep to early Oct 1990 (Baillon & Dubois 1992), Apr 1992 (Marr & Porter 1992). [Rather rare off Senegal (Dupuy 1984).]

P. puffinus Manx Shearwater 8. Frequent DAK off PDA, late Sep to early Oct. Passage also recorded Aug–Sep 1990 (Baillon & Dubois 1992). [Common further offshore (Dupuy 1984).]

P. assimilis Little Shearwater 9*. DAK, PDA, one, 20 Jan 1992. Three, Aug 1990 (Baillon & Dubois 1992). [Uncommon further offshore (Dupuy 1984).]

Hydrobatidae

Oceanites oceanicus Wilson's Storm-Petrel 11. Frequent to common DAK off PDA, Jun-Jul. Max. 120 in five hours, Jul 1992. Passage also recorded Apr 1992 (Marr & Porter 1992). [Common offshore May–Sep (Dupuy 1984).]

Hydrobates pelagicus British Storm-Petrel 13. Frequent to common DAK off PDA, late Feb to late May. Max. 100/h, late Feb 1992. Passage also recorded Apr 1992 (Marr & Porter 1992). Rare off LOU and KAO, Jan–Apr. [Occurs off Senegal all year (Dupuy 1984).]

Oceanodroma leucorhoa Leach's Storm-Petrel 15. Frequent to common DAK off PDA, mid May to early Jun. Max. 239/h, May 1992. [Present offshore all year, most Apr (Dupuy 1984).]

Phaethontidae

Phaethon aethereus Red-billed Tropicbird 16. DAK, PNIM, chicks present all year, 77 ringed Feb 1992 to June 1994. [PNIM (three islands), c. 10, 12 and three pairs (Dupuy 1978).]

Pelecanidae

Pelecanus onocrotalus Great White Pelican 17. Abundant LOU. Max. c. 1600, LSRSD, Nov–Dec 1988. Frequent to common KAO. ZIG, Ziguinchor, 41, Mar 1987. [40–100, previously recorded from BC, Jan–Mar (Sala 1983).]

P. rufescens Pink-backed Pelican 18. Common to abundant LOU and KAO. Max., 110, Guembeul, Nov 1987 and 150, Joal, Oct 1986. Scarce in TAM at PNNK, max. 20. Bred in KAO (Sandiara), Oct 1987 and ZIG (Ziguinchor), Jan and Oct 1988. [Previously recorded breeding at Mbour and Ziguinchor (Naurois 1969, Dupuy 1976, Sala 1983, M&M), Aug–Feb. Occurs at PNNK in dry season (Morel & Dupuy 1969), occasionally very numerous (Dupuy 1970).]

Sulidae

Sula bassana Northern Gannet 19. Frequent to abundant DAK off PDA, late Sep–Jul. Max. 620/h, late Feb to early Apr 1992. Passage also recorded Apr 1992 (Marr & Porter 1992). [Quite common off Senegal in winter (Morel & Roux 1966).]

S. leucogaster Brown Booby 20*. New square 22. DAK, off PDA, singles, 31 Sep 1992, 10 Feb 1993 and 3 Mar 1993. ZIG, Cap Skirring, one found dead, 1 Apr 1987.

[Three previous Senegalese records (M&M).]

Phalacrocoracidae

Phalacrocorax carbo lucidus Great Cormorant 21. Abundant breeder DAK at PNIM, chs. Jan–Apr. Max. c. 200 nests, Jan 1988. [c.300 pairs bred, 1981–82 (Dupuy 1984), several hundred pairs bred since (Verschuren & Dupuy 1987).]

P. africanus Long-tailed Cormorant 22. New Square 16. ZIG, PNBC, 350, Jan 1988. Frequent TAM at PNNK, Dec–Mar. [Previously seen along the River Gambia, Apr (Dekeyser 1956 & 1961).]

Anhingidae

Anhinga rufa Darter 23. New square 5. Frequent to common LOU. Max. 14, Dec 1991. Colonies in the Senegal delta found in 1962 have since disappeared and the population is declining (G. Morel *pers. comm.*). ZIG-KOL, six records. [Common and widespread in BC (Sala 1983).]

Ardeidae

Botaurus stellaris Eurasian Bittern 25*. New square 5. LOU, Ross-Béthio, one, 25 Jan 1987. Guembeul, one in mangroves *Rhizophora* spp., 17 Jan 1990. Also recorded twice in LOU at PNOD (Rodwell *et al.* 1996, D. Norman *pers. comm.*). POD, Lac de Guier, one, 13 Feb 1984. [Two previous Senegal records (M&M).]

Ixobrychus minutus Little Bittern 26. Rare LOU outside PNOD.

I. sturmii Dwarf Bittern 27. New squares 1, 5. One record TAM at PNNK, Feb, and two records at LOU, Nov and Jan, all singles. [Rare N Senegal (Morel 1972, Rodwell *et al.* 1996) and previously recorded at PNNK (Dupuy 1970).]

Nycticorax nycticorax Black-crowned Night Heron 29. New square 21.

N. leuconotus White-backed Night Heron 30*. New square 11. Bred KAO, pair nest-building at Ndangane, late Aug 1992 and by same nest, Oct. [One previous record from KAO, May (M&M), breeds at BC, Sep to late Nov (Sala 1983).]

Ardeola ralloides Squacco Heron 31. New squares 16, 21. TAM, max. c. 25 at PNNK, Jan 1988.

Bubulcus ibis Cattle Egret 32. Abundant LOU, DAK and KAO. Max. c. 2500, Ross-Béthio, Nov 1987.

Butorides striatus Green Heron 33. New squares 13, 23, 27. One record POD (Jan), KAF and TAM, and two KOL, all singles.

Egretta ardesiaca Black Heron 34. New squares 5, 19. Common LOU and POD. Max. 215, LSRSD, Jan 1994. ZIG, Ziguinchor, 22, Oct 1988. TAM, PNNK, one, Dec 1986. [225 near SL, 1980 (M&M), quite common at BC in wet season, rarer in dry season (Sala 1983).]

E. alba Great Egret 35. New squares 8, 9, 15, 21. MAT, Matam-Kidira, numerous, Jan 1989. Bred KAO (Kaolack), Jul–Jan 1986–88 and ZIG (Ziguinchor), Oct 1988. [Breeds R. Senegal delta, Jul–Jan (M&M) and in The Gambia Aug–Dec (Gore 1981).]

E. intermedia Yellow-billed Egret 36. New squares 19, 23, 25. KOL, Birkama, 27, Jul 1994. Scarce TAM at PNNK, Jan–Feb. Max. 3, Feb 1989. [Several previous records at PNNK (Dekeyser 1956, 1961, Dupuy 1970).]

E. garzetta Little Egret 37. New squares 15, 18, 21, 25. Abundant LOU. Max. c. 600, LSRSD, Nov-Dec 1988. MAT, Kidira, numerous, Jan 1989. Two records of singles TAM, one at PNNK, Feb 1991. Bred KAO at Kaolack (nested in baobabs), mid-Jul. [Breeds R. Senegal delta, Aug-Dec (Naurois 1969) and Saloum, late May (Dupuy 1976).]

E. gularis Western Reef Heron 38. Common LOU. Max. c. 200, LSRSD, Nov-Dec 1988. 200 south of PNOD, Nov 1987 (Rodwell *et al.* 1996). KAO, Fatick, 60, Nov 1988. Bred ZIG at Kassel, several carrying nest material, Jun 1989. [Breeds nearby at Kalissaye, Sep-Oct (Dupuy & Verschuren 1978).]

Ardea cinerea Grey Heron 39. New squares 13, 21. Common to abundant LOU. Max. 130, Lagune des Spatules, Nov 1988. *A. c. monicae*, SL, three records, 1-2 birds. None at PNOD, 1984-94 (Rodwell *et al.* 1996). Bred TAM at Dialakoto, 10 nests, Jun 1990. Regular breeding site (local villagers *pers. comm.*). [Breeds at PNDS, Jun-Jul (Gowthorpe 1979 & 1980, Baillon 1989, M&M).]

A. melanocephala Black-headed Heron 40. New square 21. LOU, four records (10 birds). Scarce at PNOD (Rodwell *et al.* 1996). Bred TAM at Samécouta, one carrying nest material, May 1988. First breeding record from TAM. [Breeds along River Senegal and around Thiès, late May to Sep (Morel & Morel 1962, Dupuy 1976).]

A. purpurea Purple Heron 42. New square 5.

Scopidae

Scopus umbretta Hammerkop 43. New square 21.

Ciconiidae

Ciconia ciconia White Stork 44. LOU, Ross-Béthio, four, Jan 1987 and one, Feb 1987. Ndiël, 40, Jan 1994. Uncommon winter visitor to PNOD, 1984-94 (Rodwell *et al.* 1996). KAO, Kaolack, two, Dec 1985. [Thousands wintered in N Senegal in 1960s (Morel & Roux 1966).]

C. nigra Black Stork 45. New squares 5, 25. Scarce LOU outside PNOD. Max. 13, Ross-Béthio, Jan 1987. Frequent PNOD (Rodwell *et al.* 1996). One record KAF at Kaffrine, single, Apr 1990 and three records TAM at PNNK, max. 12, Feb. [One previous record at PNNK, Feb. (M&M).]

C. abdimii Abdim's Stork 46. New square 21. Two records TAM, one bird at PNNK, Feb 1986 and one at Kossanto, May 1988. [Six previous records from TAM (Dekeyser 1956, M&M).]

C. episcopus Woolly-necked Stork 47. New squares 10, 25. Two records DAK, Mar and Jun and five records TAM at PNNK, max. 12, Jan-Mar. [Five previous records at PNNK, Nov-Mar, (Dekeyser 1961, Verschuren & Dupuy 1987, M&M).]

Ephippiorhynchus senegalensis Saddlebill Stork 48. New square 25. One record KAO, single, Ndangane, Aug 1991 and one record TAM at PNNK, two, Feb 1991. [One other record from KAO (Smet & Gompel 1980) and scarce in TAM (M&M).]

Leptoptilos crumeniferus Marabou Stork 50. New squares 16, 17, 20. Four records at KAO. Max. 16, May 1987. Frequent to common TAM at PNNK, Jan-Feb and May-Jun. Max. 32, May 1989. Bred KAF at Diokoul, up to eight pairs, Nov-Feb 1991-92.

[Sporadic and irregular visitor to Senegal (M&M). One other breeding record, c. 15 pairs bred at PNOD, Dec 1981 (Dupuy 1982). Small breeding colonies occur in The Gambia (Jensen & Kirkeby 1980, Gore 1981).]

Mycteria ibis Yellow-billed Stork 51. New square 5, 16, 17. KOL, Kolda, 17, Oct 1988. TAM, PNNK, five records, 1–43 birds, Jan–Feb and Jun. Bred KAO at Karang, 17 occupied nests, Jan 1992, and ZIG at Ziguinchor, numerous nests, Oct 1988. [Previously recorded breeding in large numbers at Ziguinchor in 1974 (Dupuy 1976) and 1980 (Sala 1983).]

Threskiornithidae

Geronticus eremita Hermit Ibis 53*. New square 8. MAT, Matam, one, 30 Dec 1988 & 11 Jan 1989. [One previous record from Senegal at PNNK, Mar 1985 (M&M).]

Bostrychia hagedash Hadada 54. New square 16. Frequent TAM at PNNK. Max. c. 50, Jan 1988. [Common along the River Gambia (Dekeyser 1956 & 1961). Most occur in wet season (Dupuy 1970).]

Plegadis falcinellus Glossy Ibis 55. Abundant LOU and POD. Max. 2600, Lac de Guier, Feb 1984.

Platalea alba African Spoonbill 56. New square 11. ZIG, four records, max. 15, Nyassia, Jan 1992. KOL, Goudomp, c. 30, Jan 1988. [Previous max. in BC, 11 (Sala 1983).]

P. leucorodia Eurasian Spoonbill 57. Abundant LOU. Max., 150, Ross-Béthio, Jan–Feb 1987, and 154, Guembeul, Jan 1990. Four colour-ringed birds from the Netherlands and two from Spain seen at Guembeul. A Dutch bird ringed in 1979 occurred four separate winters, 1980–1 to 1987–8. Breeding suspected POD at Lac de Guier, several pairs in a mixed heronry, Aug 1986 (Morel & Morel 1989).

Phoenicopteridae

Phoenicopterus ruber Greater Flamingo 58. Abundant LOU and KAO. Max. 688, Guembeul, Jan 1990 and 248, Kaolack, Oct 1988. ZIG, Oussouye, imm., Jan 1988. Ziguinchor, c. 200, Mar 1990. [Two previous records at BC (Sala 1983).]

Phoeniconaias minor Lesser Flamingo 59. Uncommon LOU outside PNOD. Max. 171, Guembeul, Jan 1990. Abundant at PNOD, 1984–94 (Rodwell *et al.* 1996).

Anatidae

Dendrocygna bicolor Fulvous Tree-Duck 60. New square 5.

D. viduata White-faced Whistling Duck 61. New squares 5, 16. Common to abundant KAO and TAM (PNNK, max. 200). ZIG, 35, Temento, Jan 1992. [Mainly occurs in the wet season at BC (Dekeyser & Villiers 1951, Dupuy 1973, Sala 1983) and common at PNNK (Dupuy 1970).]

Plectropterus gambensis Spur-winged Goose 64. KOL, Simbandi Balant, 22, Jan 1992. Frequent to abundant TAM at PNNK. Max. 794, Feb 1987.

Sarkidiornis melanotos Knob-billed Duck 65. TAM, PNNK, nine records. Max. 59, Feb 1986 & 1993. [Previously flocks of up 2000 at PNNK (Dupuy 1970).]

Anas penelope Eurasian Wigeon 67. New square 10. DAK, Lac Mbeubeussé, two, Feb 1990. First record south of R. Senegal delta.

A. crecca Teal 69. New square 5. LOU, SLWR, three records, one to four birds, Jan–Feb 1991.

A. acuta Pintail 71. New square 5.

A. clypeata Northern Shoveler 73. New square 5. Abundant LOU at SLWR. Max. 300, 1991. DAK, Lac Mbeubeusse, 840, Feb 1990. Lac de Malika, 100, Feb 1990. [Two birds previously recorded in DAK at Lac Retba, Dec 1978 (Smet & Gompel 1980).]

Accipitridae

Aegypius tracheliotus Lappet-faced Vulture 81. New squares 6, 12, 13, 17, 18, 23. Frequent LOU (Thiès-Louga), KAF, KAO and ZIG (Cap Skirring), one record LIN and two KOL. Max. 10, Thiès-Louga, Jan 1987. Bred KAO at Fiméla, Mar 1987 & Jan 1988 (same nest). [Uncommon, one breeding record from Senegal, late Dec (M&M). Five records from The Gambia (Gore 1990).]

A. occipitalis White-headed Vulture 82. Two records ZIG (Feb 1988, 1991) and two TAM at PNNK (Mar 1988, Feb 1993), 1–3 birds. [Previously recorded throughout the year at BC (Dupuy 1973, Sala 1983) and in small numbers at PNNK (Dekeyser 1956, Thiollay & Dupuy 1970).]

Gyps fulvus European Griffon Vulture 83. Scarce winter visitor to Senegal, Jan–Mar. Two records DAK, three KAO and four LOU, 1–3 birds. [Rare winter visitor (M&M).]

G. rueppellii Rüppell's Griffon Vulture 84. New square 23. Frequent to common, except in S Senegal. Two records ZIG and KOL, and six TAM at PNNK (max. 40, Mar 1988). Bred KAF at Keur M'Bouky, Dec 1985. [Breeds, Jan–Mar (M&M), scarce at PNNK (Thiollay & Dupuy 1970).]

G. africanus African White-backed Vulture 85. Bred KAO at Toubakouta, Mar 1986 and Jan 1989, and ZIG at Oussouye, Mar 1986. [Previously recorded breeding KAO, Feb (M&M), and ZIG, Dec–Apr (Sala 1983).]

Neophron percnopterus Egyptian Vulture 86. New square 24. KOL, Kolda, one, Jan 1988. TAM, PNNK, seven records of 1–3 birds, Jan–Mar. [Four previous records at PNNK (Morel & Dupuy 1969, Dupuy 1970, Thiollay & Dupuy 1970).]

Necrosyrtes monachus Hooded Vulture 87. Bred DAK (Oct), ZIG (Mar) and TAM (fledglings, May). [Previously recorded breeding, Nov–Mar (Naurois 1962, Sala 1983).]

Gypohierax angolensis Vulturine Fish Eagle 88. Bred ZIG at PNBC and Cap Skirring, Jan–May, and TAM at PNNK, Feb 1987. [Previously recorded breeding in BC, Dec–Apr (Sala 1983) and from Nov at PNNK (Dupuy 1976).]

Circus macrourus Pallid Harrier 89. New square 22. ZIG, Bignona, two males, Mar 1991.

C. pygargus Montagu's Harrier 90. New squares 6, 12, 13, 15, 17, 23. Frequent winter visitor LOU, LIN, KAO, KAF and ZIG, one record KOL and MAT, and two TAM at PNNK. Occasionally very abundant KAO when locusts numerous. Max. 1000 roosting, Joal-Mbour, Dec–Feb 1988–9 (Cormier & Baillon 1991) and 120,

1989–90 (Baillon & Cormier 1993). [Previously considered common around Ziguinchor (Dupuy 1973) but unrecorded by Sala (1983). Common at PNNK, Jan 1969 (Thiollay & Dupuy 1970), unrecorded in Feb 1990 (Baillon & Cormier 1993).] *C. aeruginosus* Marsh Harrier 91. New squares 5, 7, 12, 13, 15, 17, 23, 25. Frequent winter visitor LOU, KAF and DAK, scarce TAM at PNNK (15 records) and one record LIN, MAT and KOL. [Previously considered common at PNNK, Jan 1969 (Thiollay & Dupuy 1970).]

Terathopius ecaudatus Bateleur 93. New squares 5, 23. Frequent KOL and TAM, one record LOU at Louga, Feb 1990. Bred TAM at PNNK, Jan 1988. [Previously recorded breeding N Senegal, Nov (Naurois 1962).]

Circaetus gallicus European Snake Eagle/Beaudouin's Snake Eagle 94, 95. *c. g. gallicus*, new squares 6, 9, 12. *c. g. beaudouini* new squares 1, 5, 13. Rare to scarce LOU, LIN, KAF and MAT, Nov–Jan.

C. cinereus Brown Snake Eagle 96. New squares 6, 17, 18, 23. Frequent LIN, one record TAM (May) and ZIG (PNBC, Oct), and three from KAF and KOL. [Widespread in Senegal, common TAM, Feb, Mar & Oct (M&M) and two records at BC, Jun & Jul (Sala 1983).]

C. cinerascens Banded Snake-Eagle 97. New squares 25, 26. One record ZIG, Feb 1988 and six TAM at PNNK, Dec–Mar, all singles. [Three previous records from the Casamance (Sala 1983). Quite rare in dry season at PNNK (M&M), more frequent from Jul (Thiollay & Dupuy 1970).]

Accipiter melanoleucus Great Sparrowhawk 98*. ZIG, five records at PNBC, singles, Mar 1986 to Apr 1989. [Ten previous Senegal records, all in BC (Sala 1983, M&M).]

A. tachiro African Goshawk 99. One record TAM at PNNK, Nov 1988 and three records ZIG at PNBC, Feb–Mar, all singles. [Ten previous Senegal records, nine from BC (Dupuy 1973, Sala 1983) and one from PNNK (M&M).]

A. badius Shikra 100. New square 9.

A. erythropus West African Little Sparrowhawk 102*. One record ZIG at PNBC, 28–29 Mar 1987, and one TAM at PNNK, 17 Jan 1988, both singles. [Six previous Senegal records, including three at PNBC (Sala 1983) and one at PNNK (M&M).]

Melierax metabates Dark Chanting Goshawk 104. New square 5. One record ZIG, Feb 1991. KOL, eight, Kolda-Kandiadiou, Jan 1992. [Two previous records from BC (Sala 1983).]

Micronisus gabar Gabar Goshawk 105. New squares 5, 17, 25. Frequent KAF, Nov–Jan. One record LOU, Jan 1990 and five TAM at PNNK, Apr–May, all singles. [Previously recorded PNNK, Jan 1969 (Thiollay & Dupuy 1970).]

Kaupifalco monogrammicus Lizard Buzzard 106. New square 12. KAF, Kaffrine, one, Mar 1988.

Butastur rufipennis Grasshopper Buzzard 107. New square 23. KOL, eight, Kolda-Sitaba, Jan 1992. Scarce TAM at PNNK, Dec–Mar, numerous late May to Jun. [Large numbers arrive to breed at PNNK prior to wet season, sporadic in dry season (Thiollay & Dupuy 1970).]

Buteo auguralis Red-tailed Buzzard 109. One record DAK, single, Jan 1988, and five TAM, 1–2 birds, May. [Previously recorded near Dakar once, Dec (Smet & Gompel 1980) and several in TAM, Jul (Thiollay & Dupuy 1970).]

B. buteo Common Buzzard 110*. New squares 1, 22. One record LOU at Sanar (subspecies unrecorded), 31 Jan 1990 and one ZIG at Djiriomaït (*B. b. vulpinus*), 19 Jan 1992, both singles. [Seven previous Senegal records (M&M, Rodwell *et al.* 1996).]

Lophaetus occipitalis Long-crested Eagle 111. One record KOL (Jan), two ZIG (Feb, Mar) and three TAM at PNNK (Jan, Jun), all singles. [Previously recorded at BC in wet season (Dupuy 1973) and mid Mar to late Jun (Sala 1983). Common at PNNK end of dry season (Dupuy 1970), otherwise generally uncommon (Thiollay & Dupuy 1970).]

Stephanoaetus coronatus Crowned Eagle 112*. New square 19. TAM, PNNK, one at Simenti, 22 Mar 1992.

Polemaetus bellicosus Martial Eagle 113. New squares 5, 12. Two records LOU and two KAF, singles.

Hieraetus spilogaster African Hawk Eagle 114. New squares 18, 21, 23. One record POD and KOL, two KAF and three ZIG, 1–2 birds, Feb–May. Up to three pairs TAM at PNNK, including recently fledged young, Dec. [Four previous records from BC, including two pairs at PNBC (Dupuy 1973, Sala 1983). Several nests at PNNK, Dec (Dupuy 1976).]

H. pennatus Booted Eagle 115. New squares 4, 6. One record DAK and KAO, two POD, three LIN and four KAO, all singles, Nov–Mar. [Probably widespread throughout Senegal in winter (M&M).]

Aquila rapax Tawny Eagle 116. New squares 13, 21, 23. One record MAT, KOL and TAM, and two KAF, 1–5 birds.

A. wahlbergi Wahlberg's Eagle 117. New squares 12, 17, 23. One record KAO (PNDS) and ZIG, three KAF and six TAM (five PNNK); 1–2 birds, Nov–Feb, Apr. [Several previously recorded at PNDS, Jan (Smet & Gompel 1980), once in BC (M&M), and rare and localised at PNNK (Thiollay & Dupuy 1970).]

Haliaetus vocifer African Fish Eagle 118. New square 5.

Milvus migrans Black Kite 119. Bred KAO at Kaolack, eggs hatching, late May. [Nests at Cap-Vert, mid Mar to early May (Naurois 1969).]

Pernis apivorus Honey Buzzard 120*. New squares 16, 19, 23. One record KAO at Passi, 8 Jun 1987, one KOL at Diattakounda, Oct 1988 and three TAM at PNNK, 27 Feb 1987, 20 Apr 1990, 10 Feb 1991, all singles. [Seven previous Senegal records (M&M, Rodwell *et al.* 1996), including two birds at PNNK, Jul 1969 (Thiollay & Dupuy 1970).]

Aviceda cuculoides African Cuckoo Hawk 121*. New squares 16, 19. One record KAO at Djifère, 28 Dec 1991 and two separate records TAM at PNNK, 17 Jan 1988, all singles. [Two previous Senegal records (M&M), including one at PNNK, Jan 1969 (Thiollay & Dupuy 1970).]

Elanus caeruleus Black-shouldered Kite 122. New squares 18, 23. Two records TAM at PNNK, singles. [Frequent at PNNK, 1969 (Thiollay & Dupuy 1970).]

Chelictinia riocourii African Swallow-tailed Kite 123. New squares 6, 13. Frequent LIN, KAO and KAF, Dec–Apr. Max. 28, Kaffrine, Mar 1993. Bred KAF at Patakour, pair mating, Feb 1992.

Pandionidae

Pandion haliaetus Osprey 125. New square 23. Frequent to common LOU. Two records KOL, Jan, Oct, and two TAM at PNNK, Feb, Mar, all singles. [Two previous PNNK records, Apr (Morel & Dupuy 1969, Dupuy 1970).]

Falconidae

Falco biarmicus Lanner Falcon 126. New squares, 5, 6, 20, 23. One record from LOU, LIN, ZIG-KOL and TAM (PNNK, Jun 1990), 1–2 birds, Nov–Jan, Jun. [One previous ZIG record (Sala 1983) and several pairs at PNNK, 1969 (Thiollay & Dupuy 1970).]

F. peregrinus Peregrine Falcon 128. New squares 4, 5, 6, 7, 8, 12, 16. One record KAF and ZIG, two MAT and TAM, six KAO, 11 DAK, 15 LOU, 1–3 birds, Nov–Jul. [Rarely recorded in Senegal (M&M). Two previous BC records, Nov 1980, Jan 1981 (Sala 1983) and one at PNNK, Jul 1969 (Thiollay & Dupuy 1970).]

F. pelegrinoides Barbary Falcon 128a*. New squares 1, 12, 13, 19. One record LOU (Ndigue), two DAK (Dakar-Hann, Dakar (W.S. Clark pers. comm.)), two KAF (Patakour, Ndioum Guént) and three TAM (PNNK), 1–2 birds, Dec–Feb. [Five previous Senegal records, one Dakar (M&M) and four PNOD (Rodwell *et al.* (1996).]

F. cuvieri African Hobby 129. One record ZIG at PNBC, May 1986 and seven TAM at PNNK, 1–5 birds, Jun–Feb. [Six previous records from BC (Sala 1983, M&M) and several pairs at PNNK (Thiollay & Dupuy 1970, M&M).]

F. chicquera Red-necked Falcon 132. New squares 17, 23. Two records TAM at PNNK, two birds, Dec 1987 and Jan 1988, and three records KOL, 1–3 birds, Jan, Mar. [Two previous records at PNNK, Mar, Jul (Dekeyser 1961, Dupuy 1970).]

F. ardosiaceus Grey Kestrel 133. New squares 10, 17. One record LOU, DAK and KAF. Bred ZIG at Abéné, pair mating, Mar 1990 and at Djibélor, pair nesting, Mar 1990. [Five previous records from N Senegal (M&M, Rodwell *et al.* 1996) and one other Senegal breeding record, BC, Jul (Sala 1983). One breeding record from The Gambia, Apr (Bray *et al.* 1966).]

F. vespertinus Red-footed Falcon 134. New square 11. KAO, Fiméla, one, 30 Nov 1986. [Previously recorded in Senegal on c. 13 occasions, Dakar, BC (M&M, Ridder 1977, Sala 1983).]

F. naumanni Lesser Kestrel 135. New squares 6, 11, 12, 13, 16. Scarce to frequent LIN, KAO and KAF, Dec–Apr. Max. 39, Mbour, Feb 1993. [Generally seen on passage; occasionally in large numbers (M&M). Recorded twice before around Mbour, 1987–8 (Meininger 1988).]

F. tinnunculus Common Kestrel 136. New squares 12, 17, 23. Frequent KAF, Nov–Mar. Two records KOL, singles, Jan.

Phasianidae

Francolinus bicalcaratus Double-spurred Francolin 140. Bred KAO at PNDS, two pairs (six and two chs.), Dec. [Breeds, Sep–Apr (M&M).]

Coturnix coturnix Common Quail 142. New squares 5, 6, 19. One record DAK and TAM (PNNK), two LOU and three LIN, 1–4 birds, Nov–Feb. [Previously recorded TAM, no information given (M&M).]

C. delegorguei Harlequin Quail 143*. New squares 5, 19. One record TAM at PNNK, Nov 1988, and two records LOU at Guembeul, singles, Nov 1987, Jan 1988. [Previously recorded in Senegal at six sites (two near Guembeul) by Rochebrune (1884), once near PNOD (Rodwell *et al.* 1996), and small numbers south of Mbour (Gontier & Naurois 1967).]

Ptilopachus petrosus Stone Partridge 144. New square 22. Two records ZIG, one at Oussouye Feb 1991 and several at Ziguinchor, Jul 1994. KAO at Mbour, four ads with one ch., Mar 1989, and TAM at PNNK, five families with chs, late May; four families with 1–3 chs, Jan 1991. [Chicks seen after the wet season, Dec–Jun (Dupuy 1976).]

Numida meleagris Helmeted Guineafowl 145. Abundant TAM at PNNK. Total 600 from entrance to Simenti and 306 at Poste de Wouring. One record DAK at PNIM, pair, Apr 1986. [Groups of 10–15 common at PNNK (Dekeyser 1961, Dupuy 1970).]

Rallidae

Porzana porzana Spotted Crake 149. New square 5. One record LOU at SLWR, single, Jan 1991.

Amaurornis flavirostris Black Crake 150. New squares 1, 11.

Gallinula chloropus Common Moorhen 153. New square 20. Common DAK. Max. 75, Lac de Malika, Dec 1988. Seven records TAM, six at PNNK, 1–5 birds, Jan–May. [Previously recorded in TAM at Kédougou and shown as occurring at PNNK (M&M).]

Porphyrio alleni Allen's Gallinule 155. New squares 10, 19. One record TAM at PNNK, single, Feb 1993 and two DAK, Lac de Malika, two birds, Dec 1988; Lac Mbeubeussé, three, Feb 1990.

Fulica atra Coot 156. New square 5. Frequent LOU at SLWR, Dec–May.

Heliornithidae

Podica senegalensis African Finfoot 157. New square 25. Two records TAM, one bird at PNNK, Jan 1991 and one at River Koulountou, Feb 1991. [Four previous records from TAM (M&M).]

Gruidae

Balearica pavonina Black Crowned Crane 158. Abundant LOU and occasionally ZIG. Max. 350, Ross-Béthio, Dec 1987 and 150 at Ziguinchor, Feb 1988. B. Tréca (*pers. comm.*) estimated 500–600 in vicinity of PNOD, 1994. Four records TAM at PNNK, max. 30, Jan and Mar; one record KOL at Diattakounda, c. 20, Jan 1988. [Declined in LOU since 1980, c. 1000 in 1980 (M&M). Previously recorded in small

groups around Ziguinchor (Sala 1983) and in small numbers at PNNK (Dekeyser 1956, 1961, Dupuy 1970, Verschuren & Dupuy 1987).]

Otididae

Ardeotis arabs Arabian Bustard 159. New square 13. One record KAF between Patakour and Loumbol, single, Apr 1992. [Usually north of 15°N (Morel 1972).]

Eupodotis ruficrista Crested Bustard 161. New square 17. Frequent 16°–14°N.

E. senegalensis Senegal Bustard 162. New square 5.

E. melanogaster Black-bellied Bustard 163. New square 6. Two records LIN and five TAM at PNNK, 1–3 birds, Feb–Apr and Jun. [Common at PNNK, late Jun to Oct (Morel & Dupuy 1969).]

Jacanidae

Actophilornis africanus African Jacana 164. New squares 15, 21. Common TAM at PNNK. Bred at PNNK, chs, Feb 1993. [Breeds BC, Jan–Oct (Sala 1983).]

Burhinidae

Burhinus oedicnemus Stone Curlew 165. DAK, PDA, one flying north, Mar 1993. [Frequent winter visitor around Richard-Toll (Morel & Roux 1966), one previous record DAK (M&M).]

B. senegalensis Senegal Thick-Knee 166. New square 21. Common KAO, KOL and TAM. Bred KAO at Sokone, ch., Oct 1987 and eggs, Jun 1988. [Breeds in N Senegal, Apr–Dec (M&M).]

B. capensis Spotted Thick-Knee 167. TAM, two records of two birds, Feb 1986. [Previously recorded as present at TAM (Dupuy 1970).]

Haematopodidae

Haematopus ostralegus Eurasian Oystercatcher 169. New square 1. Abundant KAO at PNDS (Ile aux Oiseaux). Max. c. 2000, Sep 1992. One record LOU at SL, two, Mar 1991. [c.2000–3000 at PNDS, Oct–Nov 1983 (Altenburg & van der Kamp 1986).]

Charadriidae

Vanellus vanellus Northern Lapwing 171. New square 10. DAK, PDA, two flying south, Nov 1991. [Previously recorded in Senegal only from the R. Senegal delta, total of 26 records (M&M, Rodwell *et al.* 1996).]

V. spinosus Spur-winged Lapwing 172. New square 21. Total of six breeding records LOU, DAK and KAO, pairs with chs, Nov–Dec and eggs, Jul. [Breeds in N Senegal, Apr–Nov (M&M, Rodwell *et al.* 1996).]

V. albiceps White-headed Lapwing 175. New squares 11, 16, 22. Frequent TAM at PNNK, Feb–Jun. Max. 10, Jan 1991. One record ZIG at Oussouye, two, Feb 1991 and three records KAO, 1–2 birds, Apr 1990, Aug 1991, Feb 1993. [Scarce in Senegal, most records PNNK, Jan–Apr (Dekeyser 1956, 1961, Dupuy 1970, M&M).]

V. senegallus African Wattled Lapwing 177. New square 12.

Pluvialis squatarola Grey Plover 180. Common to abundant LOU. Max. 210, River Senegal estuary, Jan 1994. Common DAK. Max. 60, DSP, Dec 1987. Frequent KAO. Max. 13, Mbour, Oct 1986. One record ZIG at Abéné, 17 birds, Apr 1989.

Charadrius hiaticula Ringed Plover 181. New square 25. Abundant LOU at LSRSD and DAK at DSP, lakes north-east of Dakar and coast. Max. counts: LSRSD, c. 1500, Nov-Dec 1988; SL-Dakar, c. 600, Nov-Dec 1988; DSP, max. 700, Dec 1987. Common to abundant KAO. Max. 150, Palmarin, Feb 1990. One record TAM at PNNK, single, Feb 1989. [Large numbers previously recorded at lakes north-east of Dakar, max. 160 (Smet & Gompel 1980).]

C. dubius Little Ringed Plover 182. Frequent to common LOU. Max. 22, SL, Jan 1990. Eight records TAM at PNNK, 3–25 birds, Jan-Mar. [One previous record PNNK (Dupuy 1970).]

C. pecuarius Kittlitz's Plover 183. New squares 8, 12. Frequent to common LOU, DAK KAO and KAF. Occasionally occurs in large flocks. Max. 400, DSP, Dec 1987 and 130, Mbour, Feb 1993. Observed as far east as Matam. Bred KAO at Kaolack, chs, Oct 1986 and Nov 1988, and KAF, chs, Dec 1988. [Previous largest concentrations: 75 at Lac Retba, Dec 1978 (Smet & Gompel 1980); 147 along the Senegalese coast, Dec-Jan 1987–8 (Meininger 1988). Breeds N Senegal, Feb–Oct (M&M).]

C. forbesi Forbes's Plover 184*. New square 27. Three records TAM, two at PNNK and one Gareboureya, Jan 1991, Jun 1990, May 1989, all singles. [At least four previous Senegal records (M&M), including three at PNNK (Morel & Dupuy 1969).] *C. alexandrinus* Kentish Plover 185. Abundant LOU at LSRSD. Max. 260, LSRSD, Dec 1988 and 1410, Ndialé, Jan 1994. Common DAK at lakes north-east of Dakar. Max. c. 60, Lac Retba, Feb 1990. Common KAO. max. c. 100, Kaolack, Mar 1993. [Previous highest counts: up to 100, BC, Dec-Jan 1975–6 (Ridder 1977), 50 at Lac Retba and 15 near Kaolack (Smet & Gompel 1980).]

C. marginatus White-fronted Plover 186*. New square 16. KAO, Sokone, one, 8 Jun 1987; PNDS, P, 26 Apr 1990; Nianing Lagoons, two seen and one ringed, 22–23 Mar 1993. [Four previous Senegal records, including three at Mbour (M&M). Small numbers occur along the Gambian coast (Gore 1981).]

Scolopacidae

Numenius arquata Eurasian Curlew 189. Frequent LOU. Max. 30, PNLB, Feb 1984. [50, same location, Dec 1978 (Smet & Gompel 1980).]

Limosa limosa Black-tailed Godwit 190. New square 23. Abundant LOU at LSRSD and River Senegal valley. Max. c. 11000, Ndialé, Jan 1993 and in River Senegal Valley, Nov-Dec 1988. Marked decline in R. Senegal delta since late 1970s (Tréca 1992). Abundant DAK at lakes north-east of Dakar, max. 1390, Nov-Dec 1988. Abundant KAO at Saloum Delta. Max. 1700, Samba Dia, Nov 1988. One record KOL at River Casamance, 584 birds, plus small groups, Jul 1994. [Tens of thousands previously recorded Senegal delta (Morel & Roux 1966), 1000 north-east of Dakar, Dec 1978 (Smet & Gompel 1980), c. 4500–5000 in Saloum delta, Oct-Nov 1983 (Altenburg & van der Kamp 1986), common at BC in winter and passage, some summering (Sala 1983).]

Tringa nebularia Common Greenshank 192. New square 18. Common to abundant LOU at LSRSD., max. c. 350, Nov-Dec 1988. Common DAK at DSP and lakes

north-east of Dakar. Max. 40, DSP, Feb 1987. Common KAF at Maka Gouye, Apr 1988. Two records TAM at PNNK, ten and four birds, Jan–Feb. [Previously recorded at PNNK, no information given (Dupuy 1970).]

T. stagnatilis Marsh Sandpiper 193. New square 8. Common to abundant LOU at LSRSD. Max. 236, Ndiaël, Jan 1994. Common to abundant DAK at DSP and lakes north-east of Dakar. Max. c. 200, DSP, Feb 1987.

T. glareola Wood Sandpiper 194. Abundant DAK at DSP and lakes north-east of Dakar. Max. 400, DSP, Feb 1987. Abundant KAO around Kaolack and Saloum delta. Max. 500, Kaolack, Apr 1989. Frequent to common TAM at PNNK, most Feb. [Common at PNNK (Dupuy 1970).]

T. flavipes Lesser Yellowlegs 195**. New square 10. DAK, Dakar-Hann, one feeding with a female Ruff, Wood Sandpipers and Marsh Sandpipers, 6–7 Jan 1991. [Previously recorded in West Africa in The Gambia (one, Jan 1976, Gore 1981); Nigeria (one, Elgood 1982) and Ghana (one, Grimes 1987).]

T. ochropus Green Sandpiper 196. New squares 5, 8, 12, 16. Frequent TAM at PNNK, max. five, Jan–Feb. [Several previously seen at PNNK (Dupuy 1970).]

(*T.*) *Actitis hypoleucos* Common Sandpiper 198. New squares 8, 15, 21, 25, 27.

T. totanus Common Redshank 199. Common to abundant DAK at DSP and lakes north-east of Dakar. Max. 120, DSP, Feb 1987. Frequent KAO at Mbour and Saloum delta. Max. 17, Mbour, Feb 1990. [Few from SL-Dakar, Dec 1978 (Smet & Gompel 1980).]

T. erythropus Spotted Redshank 200. New squares 4, 16. Abundant LOU at LSRSD, max. 1160, Dec 1988. Two records ZIG; P, Ziguinchor, Feb 1988; one, Nyassia, Jan 1992. [c. 1000, LSRSD, 1983 (Altenburg & van der Kamp 1986); two records ZIG (Sala 1983).]

Arenaria interpres Turnstone 201. Common to abundant KAO. Max. 135, Mbour, Feb 1990.

Gallinago gallinago Common Snipe 203. New square 26. Six records TAM, five at PNNK, 1–15 birds, Jan–Feb. [One previous record PNNK, Apr (Dupuy 1970).]

Calidris canutus Red Knot 206. Common LOU at River Senegal Estuary. Max. 200, SL, Nov 1987 and 70, Guembeul, Nov 1997. Common DAK at lakes north-east of Dakar, max. 54, Lac Mbeubeussé, Feb 1990. Common KAO, max. c. 20, Palmarin, Jul 1986. [Groups of up to 50 wintering, SL-Dakar (Smet & Gompel 1980) and 5–10, R. Senegal delta (Meininger 1988).]

C. alpina Dunlin 207. Abundant LOU at LSRSD. Max. 200, Guembeul, Jan 1988. Common to abundant DAK at lakes north-east of Dakar. Max. 105, Lac Mbeubeussé, Feb 1990 and c. 100, Lac Retba, Feb 1990 (same day). [Up to 500 winter along R. Senegal delta and SL-Dakar (Meininger 1989).]

C. ferruginea Curlew Sandpiper 208. Abundant LOU at LSRSD, max. c. 3500, Nov–Dec 1988. Common KAO at Mbour and Saloum delta. Max. 40, Mbour, Mar 1987. ZIG, Abéné, 40, Apr 1989.

C. minuta Little Stint 210. Abundant LOU at LSRSD, 4500–7000 wintering, 1988, 1990. Abundant DAK at lakes north-east of Dakar. Max. 3000, Lac Retba and 400 Lac Mbeubeussé, Feb 1990. Abundant KAO, max. 4055 (Joal-Palmarin, 1600; Samba Dia, 350; Mbour-Saloum delta, 2105), Nov 1988. ZIG, Affiniam, 300, Jan 1992. [5000–10000 wintering at R. Senegal delta and 2000–5000 at Saloum delta, Dec–Jan 1987–8 (Meininger 1989). Quite common BC (Sala 1983).]

C. temminckii Temminck's Stint 211. New square 5. LOU, Louga sewage works, 15 birds, Nov 1991.

C. alba Sanderling 212. Abundant winter visitor LOU at LSRSD, max. 312 (including 300, PNLB), Dec 1988 and on spring passage, PNLB-Gandioli, 1000+, Apr 1989. Common KAO along coast. Max. 165, Mbour, Feb 1990.

Philomachus pugnax Ruff 214. Very abundant winter visitor and on passage in N Senegal (LOU & POD). Max.: Maka, 50000, Feb 1984; Ross-Béthio, c. 15000 roosting, Feb 1984; Lac de Guier, c. 200,000 roosting, Feb 1984. Very abundant DAK at lakes north-east of Dakar, max.: Lac de Malika, 4000, Nov 1988; Lac Mbeubeussé, 10313, Dec 1988; Lac Yeumbeul, 500, Dec 1988; Lac Retba, c. 2000, Feb 1990. Very abundant KAO, max.: Kaolack, 2500–3000, Apr 1986; Samba Dia, 5000, Nov 1988, Joal-Palmarin 250, Nov 1988. [Extremely abundant R. Senegal delta (Morel & Roux 1966, Trolliet *et al.* 1992, Rodwell *et al.* 1996). Between 700,000 and 1,000,000 birds roosted at PNOD, Mar 1972 (Jarry & Larigauderie 1974). Large numbers reported at PNOD in 1972 may have included birds on passage, and other roosts may occur elsewhere in the region (Tréca 1992). Several thousand birds previously reported near Kaolack, Dec–Jan (M&M).]

Phalaropus fulicarius Grey Phalarope 215. KAO, Nianing lagoons, one, Nov–Dec 1991. Abundant on autumn passage, Cap-Vert, Jul–Sep (Anon. 1992, Baillon & Dubois 1992), rare on spring passage (Marr & Porter). [Three records reported M&M.]

P. lobatus Red-necked Phalarope 216*. DAK, PDA, one, 30 Oct 1991. Lac Retba, one, 13 Apr 1992. [One previous Senegal record, eight near Mbour, Dec 1983 (M&M).]

Recurvirostridae

Himantopus himantopus Common Stilt 217. New squares 18, 21. Abundant LOU at LSRSD, max. c. 3000, Nov–Dec 1988 and c. 900, SL-Dakar, Nov–Dec 1988. Abundant DAK, c. 1050, lakes north-east of Dakar, Feb 1990. Abundant KAO, max. 640, Kaolack, Mar 1986. Two records TAM, one at PNNK, 25birds, Jan 1988. Bred ZIG at Affiniam, pair with two chs, Jul 1994. [Previous counts include 585 at two lakes north-east of Dakar, Dec 1978 (Smet & Gompel); 500–1500, R. Senegal delta and valley, Dec–Jan 1987–8 and 1500–2000, SL-Dakar, Jan–Feb 1988 (Meininger 1989). Breeding PNDS and DAK, Jul (Gowthorpe 1979, 1980, Baillon & Sylla 1991).]

Recurvirostra avosetta Avocet 218. Very abundant winter visitor LOU, DAK and KAO. Max.: LOU, Guembeul, 7200, Dec 1987 (Meininger 1988) and 6600 SL-Guembeul, Nov–Dec 1988; DAK, Lac Retba, 500, Lac Mbeubeussé, 267, Feb 1990;

KAO, Kaolack, 1300, Oct 1991. Two records ZIG: several at Cap Skirring, Feb 1991, 32 at Affiniam, Jan 1992. [5000 near Kaolack, Mar 1976 (Dupuy 1976); 900–1200 PNDS, Oct–Nov 1983 (Altenburg & van der Kamp 1986). Quite rare BC (Sala 1983).]

Rostratulidae

Rostratula benghalensis Greater Painted Snipe 219. New squares 20, 25. One record ZIG, seven, Abéné, Mar. Nine records TAM, six at PNNK, 1–4 birds, Jan–Jun. [Rare and sporadic BC (Sala 1983); two previous records PNNK (Dekeyser 1956, Dupuy 1969).]

Glareolidae

Pluvianus aegyptius Egyptian Plover 220. New square 1.

Cursorius cursor Cream-coloured Courser 221. Bred LOU at Trois-Marigots, pair with ch., Jan 1994. [One previous breeding record Senegal, female with eggs inside, Richard-Toll, Apr 1981 (M&M).]

C. temminckii Temminck's Courser 222. New squares 6, 16. Frequent to common POD, LIN, KAF.

C. chalcopterus Bronze-winged Courser 223. New squares 1, 11. LOU, Makhana, three, Nov 1981. KAO: pair, Mbour, Mar 1990; pair PNDS, Jan 1992.

Glareola pratincola Pratincole 224. New squares 5, 15, 16. Abundant KAO, max. 200, Kaolack, Oct 1987 and Fiméla, Jan 1988.

Stercorariidae

Catharacta skua Great Skua 225*. DAK, Popenguine, one, 22–23 Dec 1986; Dakar, one, 24–25 Feb 1992; PDA, total of five, 30 Oct to 8 Nov 1991. One also recorded off PDA, late Aug to early Sep 1990 (Baillon & Dubois 1992) and four, late Jul to early Sep 1991 (Anon 1992). [Four previous Senegal records, all Cap-Vert (M&M).]

Stercorarius pomarinus Pomarine Skua 226. Frequent to common DAK and KAO on passage and winter, late Sep to mid-Jul, max. 139/h off PDA, Feb 1992. Passage also recorded off PDA, Aug–Sep 1990 (Baillon & Dubois 1992) and Apr 1992 (Marr & Porter 1992). [Frequent winter and spring, Cap-Vert (Dupuy 1984).]

S. parasiticus Arctic Skua 227. Frequent to common off LOU, DAK and KAO on passage and winter, late Sep to mid Jul, max. 190/h, off PDA, Oct 1991. Passage also recorded off PDA, Aug–Sep 1990 (Baillon & Dubois 1992) and Apr 1992 (Marr & Porter 1992).

S. longicaudatus Long-tailed Skua 228. DAK, off PDA, 84, 2–26 Oct 1991; one, Feb 1992; two, Mar 1992. Frequent to common on passage off PDA, Aug–Sep 1990 (Baillon & Dubois 1992), Jul–Sep 1991 (Anon 1992), Apr 1992 (Marr & Porter 1992).

Laridae

Larus audouinii Audouin's Gull 229. New square 11. Frequent LOU at PNLB and SL, Jan–Apr, max. 17 birds, Jan 1994, nine ringed in Spain. Nevo *et al.* (1994) reported up to 10 wintering around SL, 1990–1. Frequent to common DAK off PDA and Toubab Dialao, Jan–Mar, max. 104 (four ads), Toubab Dialao, Jan 1992. Frequent to abundant KAO at Saloum delta. Max. 321 wintering Saloum delta (Baillon 1989, Delaporte & Dubois 1990).

L. pipixcan Franklin's Gull 231*. KAO, PNDS (Ile des Oiseaux), one among *L. cirrocephalus*, 24 Apr 1986. [One previous record from Senegal, same site, 29 May 1983 (M&M).]

L. melanocephalus Mediterranean Gull 232*. New square, 5. LOU, SL, two ads, 1 Feb 1988. PNLB, 1y, 18 Jan 1991; one ad., 30 Mar 1992; three 1y, 10 Jan 1994; one ad. and five 1y, 18 Jan 1994. DAK, Dakar-Ile de Gorée, several, 13 Feb 1987. [Five previous Senegal records (Morel & Roux 1966, M&M, Delaporte & Dubois 1990, Baillon & Dubois 1992).]

L. ridibundus Black-headed Gull 234. Abundant winter visitor LOU & KAO, max. c. 500, SLWR, Jan 1991 and 125, Mbour, Jan 1992. 300 at R. Senegal estuary and 710 around Mbour-Palmarin-Djifère, Jan–Feb 1988 (Delaporte & Dubois 1990).

L. genei Slender-billed Gull 235. New squares 6, 23. Very abundant LOU at LSRSD, max. c. 6000, Nov–Dec 1988. Very abundant KAO at Samba Dia, Mbour and Palmarin, max. 1500, Samba Dia, Nov 1988. One record KOL, 60, Diaroumé, Jan 1992. Delaporte & Dubois (1990) recorded 1060 in R. Senegal estuary, c. 1700 Rufisque-Djifère and 95 in BC, Jan–Feb 1988. Bred KAO at PNDS (Ile aux Oiseaux), 85 nests and 166 eggs, May 1987; Kaolack (saline ponds), max. 898 nests (796 with eggs/chs., 102 empty due to disturbance), Jun 1987. [Recorded breeding at PNDS from May 1963, hundreds of pairs (Naurois 1969), although only five pairs with empty nests in 1974 (Erard 1975) and colony empty in 1980 (M&M).]

L. minutus Little Gull 236*. New square 10. LOU, SL, one, 21 Jan 1990. DAK, Dakar, 20–30 on beach, 8 Mar 1990. [Three previous Senegal records of first-winter birds (Ndaio 1981, Meininger 1988, Delaporte & Dubois 1990).]

L. cirrocephalus Grey-headed Gull 238. New square 23. Very abundant LOU at LSRSD, max. c. 4500, Nov–Dec 1988. Only 800 present Jan–Feb 1988 (Delaporte & Dubois 1990). Two records KOL: 20 at Goudomp, Jan 1988 and several at Simbandi-Baland, Jan 1992. Bred LOU at PNLB, c. 1000 birds and hundreds of nests with eggs, May 1988; KAO at PNDS (Ile aux Oiseaux), max. 271 nests and 135 eggs, May 1987. [Recorded breeding PNLB since 1972 (Latour 1973); 3094 pairs in 1982 (Verschuren & Dupuy 1987). Bred PNDS since 1966 (Naurois 1969).]

L. sabini Sabine's Gull 239*. New square 22. Frequent DAK off PDA, late Sep to early Nov and late Mar to early Jun. Max. 35/h, mid Apr. Also recorded frequently on passage off PDA, Aug–Sep 1990 (Baillon & Dubois 1992) and Apr 1992 (Marr & Porter 1992). [Previously recorded only May–Jun (Morel & Roux 1966, M&M).]

L. argentatus/cachinnans Herring/Yellow-legged Gull 240. New square 10. LOU, SL, six records of up to 20 birds (ads and imms), Nov–Feb. DAK, Cap-Vert, three records of 1–6 birds, Feb–Mar. KAO, Mbour, 11 birds, Jan 1992. Total of 31 along Senegalese coast, Jan–Feb 1988 (Delaporte & Dubois 1990). Race in Senegal considered to be *L. a. atlantis* (Cramp 1983, M&M), although wing-tip pattern of birds seen by Meininger (1988) and Yésou & Triplet (pers. comm.), resembled *L. c. michahellis*.

L. fuscus Lesser Black-backed Gull 241. Abundant winter visitor and on passage LOU, DAK, KAO and KAF. Max.: c. 1000, Guembeul, Jan 1992; 400, PNIM, Jan 1988; 910, Samba Dia, Nov 1988; 990, Sine-Saloum delta, winter 1989. Also 670 from PNLB-SL, 500 at Cap-Vert and 1500 in Sine-Saloum delta, Jan–Feb 1988 (Delaporte & Dubois 1990).

Rynchopidae

Rynchops flavirostris African Skimmer 243. New square 16. KAO, 89, Kaolack (saline ponds), Oct 1987; Pointe de Sangomar, 444, Sep 1992. [Previously recorded along R. Sable, 300, Jan 1979 (Smet and Gompel 1980).]

Sternidae

Gelochelidon nilotica Gull-billed Tern 246. New squares 6, 16, 23. Abundant LOU at LSRSD. Common DAK at DSP, max. 100, Feb 1987. Two records KOL, Jan 1988. Total of 325 along Senegalese coast, Jan–Feb 1988 (Delaporte & Dubois 1990). Bred KAO at Kaolack (saline ponds), 44 nests, 35 with eggs, five with chs, Jun 1987. Breeding not confirmed LOU at PNLB, no observations made during breeding season. [Up to 200 pairs bred at PNLB, Jun–Jul 1972 (Latour 1973).]

Sterna caspia Caspian Tern 247. New square 6. Bred KAO at PNDS (Ile aux Oiseaux), nested among *S. maxima*, 44 nests, 69 eggs, Apr 1986. None bred Kaolack (saline ponds), 1986–9. Breeding not confirmed LOU at PNLB, no observations made during breeding season. [Up to 506 pairs have bred at PNLB, Feb–Jul (Verschuren & Dupuy 1987).]

S. maxima Royal Tern 248. Bred LOU at PNLB, hundreds of birds, 20 nests with eggs, May 1988. Bred KAO at PNDS, up to 20000, Mar–Jun, many nests looted by *L. genei*. [Up to 15000 pairs breed in Senegal (Dupuy 1975, 1984). At PNLB 1516 pairs bred, Mar–Jun 1982 (Verschuren & Dupuy 1987).]

S. sandvicensis Sandwich Tern 249. Abundant LOU at LSRSD, max. c. 300, Nov–Dec 1988. Total of 226 in LSRSD, 1987–8 (Delaporte & Dubois 1990). Abundant DAK, winter and on passage, small numbers summering, max. 800, Ngor, Feb 1993. Abundant KAO at Nianing, Mbour, Palmarin, max. 500, Nianing, Feb 1993.

S. bengalensis Lesser Crested Tern 250*. New square 11. 18 records DAK off PDA, Sep–Jul 1991–2, max. eight in one hour, Nov. Also 17 on passage off PDA, Jul–Sep 1991 (Anon 1992) and 12 birds, Apr 1992 (Marr & Porter 1992). Four records KAO, Mbour-Nianing, all singles, Nov, Feb–Mar. Total of two birds along Senegalese coast, Jan–Feb 1988 (Delaporte & Dubois 1990). [Three previous Senegal records (Erard 1975, M&M).]

S. dougallii Roseate Tern 251*. Frequent to common DAK off PDA on spring passage, mid-Mar to early Jun, max. 59/h, May 1992. Also recorded off PDA, Apr 1992 (Marr & Porter 1992). ZIG, Abéné, one, Apr 1989. [Five previous Senegal records, Oct, Apr–Jul (Morel & Roux 1966, M&M).]

S. hirundo Common Tern 252. Abundant DAK off Cap-Vert, winter and passage, rare in summer, max. 2200, Feb–Mar 1992. Also abundant on passage off PDA, Aug–Sep 1990 (Baillon & Dubois 1992) and Apr 1992 (Marr & Porter 1992).

S. paradisaea Arctic Tern 253. Frequent to common DAK off PDA on spring passage, late May to early Jun, max. 45/h, May 1992. Several, Jan–Feb 1990. Very abundant on autumn passage (Baillon & Dubois 1992, Anon 1992), less numerous on spring passage (Marr & Porter 1992).

S. anaethetus Bridled Tern 254. LOU, PNLB, P, Jan 1988. DAK, PNIM, five (including two resting on islands), 27 Apr 1988; PDA, total 11, 26 May to 14 Jul 1992. [Small numbers previously recorded around PNIM, 27 Apr to 19 Jul (Dupuy 1984, M&M).]

S. albifrons Little Tern 257. Common all year LOU at LSRSD, max. c. 300, Nov-Dec 1988. Total of 120, Jan–Feb 1988 (Delaporte & Dubois 1990). Frequent DAK off PDA, max. 23/h, Oct 1991. Bred LOU at PNLB, 200+ nests with eggs, May 1988. [Bred at PNLB, Apr–Jul, max. 100 pairs, Jun 1978 (M&M).]

Chlidonias niger Black Tern 258. New square 16. Abundant DAK off PDA, Oct (max. 718/h), Apr–May (max. 1500/h), 1991–2. Uncommon Nov–Mar and summer. Also very abundant (10310), Apr 1992 (Marr & Porter 1992). KAO, Kaolack, c. 200, Jan 1986.

C. leucopterus White-winged Black Tern 259. New squares 5, 23. Common LOU at LSRSD, max. 140, SLWR, Mar 1991. Abundant KAO at Mbour-Nianing, max. 200, Jan 1991. 40 around Mbour, Palmarin and Djifére, Jan–Feb 1988 (Delaporte & Dubois 1990). KOL, one, Diaroumé, Jan 1992.

Pteroclidae

Pterocles exustus Chestnut-bellied Sandgrouse 260. New squares 17, 18. Common LOU, KAO, KAF, occasionally abundant, max. 800, Forêt de Paté, Dec 1991. Bred KAF at Nganda, pair with ch., late Apr 1988. [Common N Senegal, less numerous near The Gambia (Morel 1972).]

P. quadricinctus Four-banded Sandgrouse 262. New square 17. Common KAF at Forêt de Paté and TAM at PNNK, Nov–Apr, max. 13, Forêt de Paté, Feb 1992. Bred TAM at PNNK, pair with three chs, Feb 1986. [Breeds Nov–May (Dupuy 1976).]

Turnicidae

Turnix sylvatica Little Button Quail 263. New squares 5, 17, 18, 19. One record LOU at Guembeul (single, Jan 1988), one DAK at Dakar (single, Oct 1991); two records KAF, one at Forêt de Paté (single, Jan 1992), one near The Gambian border (two killed by hunters, 1992); four records TAM, one near The Gambian border (several killed by hunters, 1992), unconfirmed sightings by hunters from Nioro du Rip, Vélingara & Tambacounda. [Previously recorded at only a few locations in Senegal (M&M).]

Ortyxelos meiffrenii Quail Plover 264. New squares 11, 12, 19. One record DAK at Popenguine (three, Feb 1988), one KAO at Mbour ORSTOM station (single, Feb 1993), one TAM at PNNK (pair, May 1987), two KAF, at Tiel (single, Nov 1991) and Kaffrine (three, Apr 1990). [Previously recorded mainly around Richard-Toll, rare elsewhere (M&M).]

Columbidae

Columba guinea Speckled Pigeon 266. Bred KAO at Mbour, chs, Feb 1988 and TAM at PNNK, chs, Feb.

Streptopelia turtur European Turtle Dove 267. Common to abundant winter visitor POD, LIN, KAO, MAT, TAM (PNNK), max. 1000, Nianing, Jan 1990. [Small numbers winter around Richard-Toll, abundant from Feb (Morel & Roux 1966), and around Mbour and Falémé (M&M). One record of a single at PNNK, Jan 1969 (Dupuy 1970).]

S. hypopyrrha Adamawa Turtle Dove*. One record TAM, a single bird observed and heard at PNNK, 19 Feb 1992. One previous Senegal record, up to 37 seen at PNNK, Apr 1991 (Baillon 1992). Range previously thought restricted to highlands in Nigeria, N Cameroon and SW Chad (Urban *et al.* 1986), extended into Togo (Cheke & Walsh 1989) and The Gambia (Anon 1995).

S. semitorquata Red-eyed Dove 268. Bred TAM at PNNK, ad. nest-building, two recently fledged young nearby, Jan 1991.

S. decipiens Mourning Dove 269. New squares 22, 23. ZIG, small numbers regularly seen in dry forest around Ziguinchor and once at PNBC and Djironmaït, Jan–Feb. KOL, R. Casamance, one, Jul 1994.

S. senegalensis Laughing Dove 272. DAK, Dakar-Hann, albino, Jan 1991.

Oena capensis Namaqua Dove 273. Common TAM at PNNK, Feb 1987 and Jan 1991; uncommon, May 1987. [Small numbers in S Senegal, dry season (M&M).]

Turtur tympanistria Tambourine Dove 274 *. One record ZIG, a single bird at PNBC, Feb 1988. [Five previous Senegal records, all BC, May–Jul (Dupuy 1975, Sala 1983).]

T. abyssinicus Black-billed Wood Dove 276. KOL, Diana Malari-Kandiadiou, several, Feb 1992.

Treron waalia Bruce's Green Pigeon 278. New square 22. ZIG, two at Ziguinchor, Jul 1994. Bred KAO at PNDS, one on eggs in palm, Jan 1992.

Psittacidae

Poicephalus robustus Brown-necked Parrot 279. One record TAM at PNNK, Nov 1988. [Two previous records TAM (M&M).]

Psittacula krameri Rose-ringed Parakeet 281. New square 25.

Musophagidae

Tauraco persa Green-crested Turaco 282. Three records ZIG at PNBC, 1–2 birds, Jan, Mar. [Two pairs at PNBC, 1970–1 (Dupuy 1973); uncommon BC (Sala 1983).]

Musophaga violacea Violet Plantain-Eater 283. Three records ZIG, one at PNBC, 1–2 birds, Oct, Mar–Apr. KOL, Karcia, two, Jan 1992. [Two previous records BC, Dec–Jan (Sala 1983).]

Cuculidae

Clamator glandarius Great spotted Cuckoo 285. New squares 16, 27. One record KAO and TAM (May), two POD, five LOU, 1–3 birds, Dec.

C. levaillanti Levaillant's Cuckoo 287. New square 16. One record KAO, single, Oct 1988, two records TAM, up to four pairs, May 1987 and 1988. [Previously recorded

TAM, no information given (M&M).]

Cuculus solitarius Red-chested Cuckoo 288. New square 23. KOL, River Casamance, one, Jul 1994.

C. canorus Common Cuckoo 290. New square 18. KOL, Vélingara, one, Jul 1988.

Chrysococcyx klaas Klaas's Cuckoo 291. Two records KOL, Jul 1988, Jan 1992.

C. caprius Didric Cuckoo 292. New square 23. Two records KOL.

Ceuthmochares aereus Yellowbill 294. New square 11. One record KAO at Ndangane, Aug 1990; two records ZIG at PNBC, single, Feb 1988 and two, Mar 1988. [11 previous records BC (Dupuy 1973, Sala 1983).]

Centropus grillii Black Coucal 295*. New squares 10, 11, 22. One record DAK at Dakar, single, Feb 1992; one KAO at Mbour ORSTOM station, single, Sep 1992; one ZIG at Ile de Vendaye, three, Feb 1991. [Previously recorded only in SE (Dekeyser 1956, Dupuy 1970, M&M), although almost annual in central Gambia (Gore 1981).]

Tytonidae

Tyto alba Barn Owl 298. New squares 11, 13. Bred LOU at Guembeul, nest with nine eggs, Dec 1987. [Clutches up to 11 eggs in Mali (Fry *et al.* 1988).]

Strigidae

Otus scops scops Common Scops Owl 299. New square 5. One record LOU at Guembeul, two, Jan 1990.

O. leucotis White-faced Owl 300. New square 5. Three records LOU at Guembeul and PNLB, two, Feb, Apr, May.

Bubo africanus Spotted Eagle Owl 302. New square 5. One record LOU at Mékhé, two roosting, Jan 1991, one ZIG at Ziguinchor, single, Feb 1988 and one TAM near Tambacounda, single, Apr 1990. Bred KAO at Kaolack, fledgling on nest, Jun 1987. [One previous record north of 15°N (Morel 1972), two from BC (Dupuy 1973, Sala 1983), at least three from PNNK (Morel & Dupuy 1969, Dupuy 1970, Thiollay & Dupuy 1970).]

Scotopelia peli Pel's Fishing-Owl 304*. TAM, PNNK, one, Jan 1991. [Two previous records at PNNK, Jan (Thiollay & Dupuy 1970, M&M).]

Glaucidium perlatum Pearl-spotted Owlet 305. New squares 6, 18, 25. Frequent LIN. One record KAF and TAM.

Strix woodfordii Wood Owl 306. New square 12. One record KAF at Loumbol, single heard, Feb 1992; one record ZIG at PNBC, pair calling, Jan 92. [Three pairs at PNBC, 1980–1 (Sala 1983).]

Asio flammeus Short-eared Owl 307. New square 11. KAO, Palmarin, one, Jan 1992. [Uncommon winter visitor to N Senegal (M&M, Rodwell *et al.* 1996).]

Caprimulgidae

Caprimulgus pectoralis Black-shouldered Nightjar 313*. ZIG, PNBC, heard and seen, 30–31 Mar 1988. [Three previous BC records, including two at PNBC, Jan–Feb and Jun (Sala 1983 and M&M).]

C. inornatus Plain Nightjar 315. New square 11. KAO, Joal-Palmarin, three, Nov 1988.

C. climacurus Long-tailed Nightjar 316. New square 25. Three records TAM at PNNK, 1–3 birds, Jan–Mar. [Previously recorded PNNK, 1969 (Dupuy 1970).]

Macrodipteryx longipennis Standard-winged Nightjar 317. One record LOU (Jan), ZIG (Feb) and three TAM (two PNNK, May–Jun). [Mainly a wet season visitor to N Senegal, previously recorded ZIG, no information given (M&M), and PNNK (Morel & Dupuy 1969, Dupuy 1970).]

Apodidae

Apus melba Alpine Swift 319*. New squares 19, 25, 26. Three records TAM at PNNK, four birds, 8 Jun 1986; P, 26 Dec 1987; eight, 20 Feb 1989. [One previous Senegal record, Richard-Toll, Sep (Morel & Roux 1966).]

A. apus European Swift 320. New square 26. Frequent to abundant N Senegal, Aug–Nov, most late Aug to early Sep, max. 150. Rare KAO and TAM, Dec–Jan. Frequent to common KAO at Mbour, Jan–Mar. Three records in May, one DAK and two TAM (max. 70). [Common in N Senegal during autumn, occasionally large groups in winter (M&M). Small groups at PNNK, May 1967 (Morel & Dupuy 1969).]

A. pallidus Pallid Swift 321*. New squares 10, 16, 19, 22. Common to abundant on passage LOU, Oct 1990, max. several thousand (150/min heading NE, 8h00–8h20), 29 Oct 1990. One other Oct record, single bird, DAK, 1991. None seen, Nov–Jan. Three records Feb: one KAO (several, PNDS, 1990), one ZIG (regular 1991, several locations), one TAM (single, PNNK, 1993). One record Jul, DAK, c. 50, Rufisque, 1992. [Five previous records N Senegal (M&M, Rodwell *et al.* 1996). Several small groups at PNNK, Jul–Feb 1969 (Dupuy 1970).]

A. caffer White-rumped Swift 322*. New squares 2, 5, 10, 11. Single records LOU (SL, one, Aug 1992), POD (Richard-Toll, two, Jan 1992), DAK (Popenguine, P, Feb 1988), two TAM (Tambacounda, singles, Jan 1988), four KAO (three at Mbour, singles, Feb 1988, Apr 1990, Nov 1991 and P, Tataguine-Dakar, Jan 1988). [Previously recorded only at PNNK (Morel & Dupuy 1969). Six Gambian records (Gore 1990).]

A. affinis Little Swift 323. Bred LOU and KAO, Oct–Dec. [Eggs found Mar, Aug (M&M). Breeds in The Gambia, Nov–Mar (Jensen & Kirkeby 1980); at colonies from Jul (Gore 1981).]

Telacanthura ussheri Mottled Spinetail 325. New squares 5, 12, 23, 26. One record LOU and KAF, two KOL, three TAM, small groups.

Alcedinidae

Megaceryle maxima Giant Kingfisher 327. New square 16. Two records KAO.

Alcedo quadribrachys Shining blue Kingfisher 329. New square 25. TAM, PNNK, P, Jan 1989. [One previous record TAM, Aug 1986 (M&M).]

A. cristata Malachite Kingfisher 330. New squares 5, 16, 20, 26.

Ceyx picta Pygmy Kingfisher 331. New square 25. Two records TAM at PNNK, singles, Jun 1986, May 1989. [Previously recorded PNNK, Apr (Dekeyser 1961), Jun–Jul (M&M).]

Halcyon senegalensis Woodland Kingfisher 332. New squares 16, 23. LOU, frequent, occasionally all year. KAO, Kaolack, Jul to mid Nov. KOL, Sédiou, several, Feb 1992. *H. leucocephala* Grey-headed Kingfisher 335. New squares 6, 16.

Meropidae

Merops apiaster European Bee-eater 336. KAO, four winter records, max. 20, Dec-Feb. [Usually winters south of 14°N (M&M).]

M. persicus Blue-cheeked Bee-eater 337. New squares 18, 26. Small numbers winter KAO (10–16, PNDS) and occasionally LOU (5–10, SL; max. 13, Guembeul, Dec 1987 and 30, Dakar Bango, Dec 1988). One record KAF, 40, Niahène-Tambacounda, Mar 1992; one TAM, P, PNNK, Dec 1987. [Usually winters Casamance (M&M) and The Gambia (Gore 1981).]

M. orientalis Little Green Bee-eater 338. New squares 1, 11, 16. Frequent to common LOU, POD and KAF. Uncommon TAM, including PNNK. One record ZIG; two KAO (one PNDS). [Widespread but irregular across Senegal, also previously recorded ZIG (M&M) and PNNK (Dekeyser 1956, Dupuy 1970).]

M. nubicus Carmine Bee-eater 339. New square 21. TAM, PNNK, max. 200, Feb 1986.

M. albicollis White-throated Bee-eater 340. New squares 5, 16, 20, 26. Two winter records KAO (Mbour, Sokone), Jan–Feb. Two records TAM, one to several birds, May. [Previously recorded wintering BC (Sala 1983) and on passage TAM near Kédougou, Apr–May 1983 (M&M).]

M. pusillus Little Bee-eater 341. New squares 3, 18, 21, 23. One record KOL, single, Jan 1992. Three records TAM, including two at PNNK, Jan 1991 and Feb 1993, small groups. [Previously recorded PNNK, Apr 1957 (Dekeyser 1961); considered uncommon (Dupuy 1970).]

M. bullocki Red-throated Bee-eater 342. Bred MAT near Matam, Jan 1989 and TAM at Salémata, May 1988. [Young found, Matam, May 1962 (M&M); recorded breeding TAM at PNNK, Jan–Feb (Dupuy 1970, Boswall & Richards 1985, M&M).]

Coraciidae

Coracias garrulus European Roller 344. New squares, 1, 5, 10. Total of 150 seen and 150 road kills, SL-Dakar, 1 Sep 1992. One flying north, PNLB, 26 May 1991. [Tens recorded on autumn passage, N Senegal, late Aug to early Sep (Morel 1972).]

C. naevia Rufous-crowned Roller 346. New squares 23, 25. Two records KOL, singles, Jan 1992.

C. cyanogaster Blue-bellied Roller 347. New square 12. One record KAF at Pâfa, single, Apr 1988.

Upupidae

Upupa epops senegalensis Hoopoe 349. Bred KAO at Mbour, adults feeding fledged young, Feb 1988. [Breeds The Gambia, Jan, Mar, Apr (Jensen & Kirkeby 1980).]

Phoeniculidae

Phoeniculus purpureus Senegal Wood-Hoopoe 350. New square 1. Rare NW LOU. Rare nearby at PNOD (Rodwell *et al.* 1996).

Phoeniculus aterrimus Black Wood-Hoopoe 351. New square 23. One record KAF, KOL and ZIG, two KAO and three TAM at PNNK. [Five previous records, BC (Dupuy 1973, Sala 1983); present at PNNK (Dupuy 1970).]

Bucerotidae

Tockus nasutus Grey Hornbill 352. Frequent to common most of Senegal, occasionally in large flocks, e.g. 20 at Guembeul, Apr 1988, 26 (flock of 17) at Dakar-Hann, Jan 1991. [Flocks up to 20 in The Gambia at start of wet season (Gore 1981).] *T. erythrorhynchus* Red-billed Hornbill 353. Bred KAO at Kaolack, young heard in nest, Jan 1987. [Breeds Richard-Toll, Aug–Oct (M&M).]

T. fasciatus Pied Hornbill 354. Bred ZIG at Djibélor, two pairs feeding chs, Jul 1994. [Nest with eggs at BC, Aug 1982 (Sala 1983).]

Ceratogymna elata Yellow-casqued Hornbill 355. ZIG, PNBC, Pair present 1988–9 and 1992. Bred Apr 1989, adult feeding two fledged young. [1–2 pairs recorded PNBC (Dupuy 1973, Sala 1983, M&M).]

Bycanistes fistulator Piping Hornbill 356. New squares 11, 16. Two records of singles at KAO; PNDS, Apr 1990; Ndangane, Aug 1991.

Bucorvus abyssinicus Abyssinian Ground Hornbill 357. Two records KOL: male near Kolda and pair at Sarebilal, Jan 1992. Three records ZIG: three pairs Ziguinchor; singles at Diegoun and Diouloulou, all Jan 1992. Three pairs and three singles TAM at PNNK, Jan 1988. [Five previous records, BC (Dupuy 1973, Sala 1983). Several pairs at PNNK, Feb 1956 (Dekeyser 1956); considered common (Dupuy 1970).]

Capitonidae

Pogoniulus chrysoconus Yellow-fronted Tinkerbird 361. New squares 1, 6.

P. bilineatus Yellow-rumped Tinkerbird 362. New square 19. Three records TAM of 1–2 birds at Gouloumbou (Jan 1988), Dindéfélou (May 1988) and PNNK (Mar 1992). [Previously recorded TAM at Dindéfélou, Mar 1984 (M&M).]

Indicatoridae

Indicator maculatus Spotted Honeyguide 364. ZIG, PNBC, one, Apr 1989. [Frequent PNBC, Mar–Apr 1982 (Sala 1983).]

I. indicator Black-throated Honeyguide 365. ZIG, PNBC, two, Feb 1988. [Rare BC (Dupuy 1973, Sala 1983).]

I. minor Lesser Honey-Guide 366. Two records TAM of single birds at PNNK, Jan and Nov 1988. [One collected PNNK, Feb 1956 (Dekeyser 1956).]

Picidae

Jynx torquilla Northern Wryneck 368. New squares 5, 6. Two records LOU and three LIN, all singles, Nov–Mar.

Campetherabingoni Golden-tailed Woodpecker 370*. New square 19. TAM, near Tambacounda, two, 18–20 Apr 1990. [One previous Senegal record, PNDS, Feb 1983 (M&M). Rare in The Gambia (Gore 1981).]

Dendropicos fuscescens Cardinal Woodpecker 373. New squares 6, 12, 13, 16, 17, 21. One record TAM, two KAF, five LIN and six KAO (five PNDS), all singles, Oct–May. [Rarely seen north of The Gambia (M&M).]

D. elachus Little Grey Woodpecker 374. New square 6. One record LOU at Guembeul, single, May 1991; one record LIN at Lindé, two, Jan 1992.

Picoides obsoletus Brown-backed Woodpecker 375. One record TAM at PNNK, single, Mar 1992. One record ZIG at PNBC, single, May 1986. Two records KAO at Nianing, Feb 1984 and Mbour, Apr 1990, both singles. [Seen infrequently, although probably widespread south of 14°30'N (M&M).]

Mesopicos goertae Grey Woodpecker 376. Bred TAM at PNNK, ad. feeding chs, Feb 1989. [Breeds N Senegal, Nov–Mar (M&M) and BC, Feb (Sala 1983).]

Alaudidae

Mirafra javanica Singing Bush Lark 377. New square 11. Four records KAO, 1–2 birds, Mar–Jul.

Alaemon alaudipes Hoopoe Lark 381*. One seen DAK at PNIM, 27 Oct 1992. [Ten other Senegal records, including two from DAK (Morel & Ndao 1978, M&M, Rodwell *et al.* 1996). Uncommon in Mauritania south of 17°30'N (Lamarche 1988).] *Calandrella brachydactyla* Short-toed Lark 382. New squares 3, 6, 10, 13. Common to abundant winter visitor to LOU, POD, LIN and KAF. Max. 500 at Trois-Marigots, Jan 1994, 400 at Doli, Nov 1991, 110 at Podor, Feb 1993 and 100 at Lindé, Mar 1992. DAK, PDA, max. 4, Jan 1993. [Common winter visitor to R. Senegal delta, most late Mar (Morel & Roux 1966).]

Eremopterix nigriceps White-fronted Finch-Lark 383. Bred LOU at Trois-Marigots, female feeding recently fledged chs, Jan 1994. [Breeds Richard-Toll, Oct–Mar (M&M).]

E. leucotis Chestnut-backed Finch-Lark 384. New square 18.

Hirundinidae

Riparia riparia Sand Martin 387. New squares 17, 18, 19, 21. KAF, max. 150, Forêt de Paté, Feb–Mar 1992. Small numbers TAM, mainly around Tambacounda, and one record PNNK of a single, Feb–Mar. [Eight ringed, several seen, PNNK, Apr 1969 (Dupuy 1969, 1970).]

R. paludicola African Sand Martin 388*. New square 5. One seen LOU at Mékhé, 30 Aug 1992. [Four previous Senegal records (Morel & Roux 1962, M&M).]

Hirundo rustica European Swallow 390. Frequent to abundant throughout Senegal on passage, uncommon in winter, few seen Jan (four records). [Few birds winter N Senegal (M&M).]

H. lucida Red-chested Swallow 390a. New squares 3, 5, 16, 21. Three records north of 16°N. Mainly frequent to common elsewhere [Rare north of 16°N (M&M).]

H. smithii Wire-tailed Swallow 391. New squares 5, 12, 25. One record LOU at Mékhé (two, Aug–Sep 1992) and one KAF at Loumbol (two, Nov 1991). TAM, max. three at Niéri Ko river, Jan 1988 and max. four at several locations in PNNK, Dec–Jun. Bred ZIG at Essaoul, ad. feeding chs, Jan 1992. [Rare north of 14°N (M&M), regular at PNNK (Dupuy 1970). Breeds BC, May, Jul, Dec (Sala 1983) and almost all year round in The Gambia (Jensen & Kirkeby 1980).]

H. leucosoma Pied-winged Swallow 393*. New square 22. KAO, 1–3 birds at three locations (Mbour, PNDS, Palmarin), Feb and Apr. Probably frequent at Mbour. ZIG, one at Ziguinchor, Jul 1994. [Six previous Senegal records, including several birds east of Mbour in 1983 and at PNDS in 1984 (M&M).]

H. semirufa Rufous-breasted Swallow 394. KAO: single at Kahone, Jul; numerous nearby, Oct. KAF, numerous at Guinguinéo, Oct. TAM, two at PNNK, Jun 1988. [Probably widespread but uncommon south of 15°N (M&M). PNNK, two collected, 1955 (Dekeyser 1956) and 11 ringed, Apr 1969 (Dupuy 1969).]

H. senegalensis Mosque Swallow 395. Frequent KAO, KOL and TAM, and one record LIN (Dec). [Usually occurs N Senegal, Mar–Aug (M&M).]

H. daurica Red-rumped Swallow 396. New squares 1, 6, 11, 12, 21. *H. d. daurica* confirmed only on passage LOU and LIN, one autumn record (SL, two, 15 Oct), 1–2 birds in spring at SL, 26 Apr to 31 May, and three birds seen LIN, Mar 1992. Recorded on passage at PNOD, Feb–Apr (Rodwell *et al.* 1996). Subspecies of small numbers of birds in Nov at LIN and KAF unknown. *H. d. domicella*, frequent KAO at Mbour-Nianing and TAM at PNNK. Bred ZIG at Banganga, eight, including several recently fledged young, Jan 1992. [Bred BC, Oct–Nov (Sala 1983) and in The Gambia, Feb–May (Gore 1981). Previously recorded PNNK, Jul 1967 (Morel & Dupuy 1969); considered regular (Dupuy 1970).]

H. abyssinica Lesser Striped Swallow 397. New squares 5, 18. Two records north of 14°N, two birds at Louga (LOU), Jan 1992 and two at Joal (KAO), Nov 1988. One record KOL, Jul 1988; seen at three locations in TAM, May–Jun 1988. [Previously recorded twice north of 14°N; two small colonies in TAM, Jul 1967 and Jul 1982 (M&M).]

H. griseopyga Grey-rumped Swallow 398**. New square 11. KAO, three seen with *Delichon urbica* at Mbour, 12 Feb 1993. [Two records (including one sighting of 10 birds) from The Gambia (Gore 1990); one from Guinea-Bissau (Rodwell 1996); rare in Mali (Lamarche 1981).]

H. rupestris Crag Martin 399*. New square 3. LOU, SL, one, Jan 1991. POD, Ndioum, one flying around a mosque, Feb 1993. DAK, regular winter visitor at Popenguine. [Three records from N Senegal (Morel & Roux 1973); regular winter visitor at Popenguine since 1978 (Smet & Gompel 1980, M&M).]

Delichon urbica House Martin 401. New squares 5, 6, 12, 13, 19, 20, 21, 23, 26. Throughout Senegal. Abundant (max. 1000) on autumn passage in Nov through central Senegal, some occasionally staying until Dec–Jan. Uncommon in winter, mainly in S, occasionally in large concentrations; max. 500, Jan 1992. Spring passage mainly along coast, Feb–Apr, max. 200, Mar 1989. Small numbers seen TAM, Dec–May, max. 50, Dec 1986. [Spring passage previously thought to occur mainly through E Senegal; only small numbers recorded Dec to early Feb (M&M).]

Psalidoprocne obscura Fanti Rough-winged Swallow 402. New squares 16, 19, 23, 24. KAO, two birds at Karang, Sep 1992. Three records KOL of up to seven, Jul and

Oct 1988. TAM, PNNK, P, Nov 1988. [Previously recorded BC (Sala 1983) and from two locations at PNNK (M&M).]

Motacillidae

Motacilla flava Yellow Wagtail 403. New square 16. TAM, frequent to common at PNNK, max. c. 25, Jan 1988.

M. alba White Wagtail 405. New squares 12, 13. KAF, three records, max. 5, Nov and Feb. TAM, three records at PNNK, max. 4, Dec–Feb. [Previously recorded PNNK, no information given (M&M).]

M. aguimp African Pied Wagtail 405a. TAM, 3–9 birds at four sites in PNNK, Jan–Mar. [Two birds at PNNK, Apr 1967 (Morel & Dupuy 1969); several pairs, 1969 (Dupuy 1969, 1970).]

Anthus campestris Tawny Pipit 406. New squares 6, 11, 22, 23. More widespread in Senegal than previously thought. Common winter visitor to LOU and LIN, max. 28, Jan 1992, last seen 20 Jun. Singles three times in KAO, once ZIG (Jan 1992) and KOL (Jan 1992). [Recorded N Senegal until 25 May (Morel & Roux 1966).]

A. leucophrys Plain-backed Pipit 407. New squares 5, 11, 13. One record KAO, KAF and TAM (PNNK), two LOU, 1–4 birds, Oct–Jan. [Locally common (M&M). One previously collected PNNK, Apr 1955 (Dekeyser 1956).]

A. trivialis Tree Pipit 408. New square 5. LOU, uncommon winter visitor and on spring passage outside PNOD, last seen 19 May. [Previously seen N Senegal until 22 Apr (Morel & Roux (1966).]

A. cervinus Red-throated Pipit 409. New squares 5, 11. LOU, frequent on spring passage, SL-PNLB, 12 Mar to 13 Apr. Also on spring passage DAK at PDA, one, 25 Apr. Three winter records DAK and KAO, 1–3 birds, all Feb. [Previously seen mainly N Senegal, wintering and on passage until Apr (Morel & Roux 1966).]
Macronyx croceus Yellow-throated Longclaw 410. DAK, one seen north of Dakar, Feb 1990. [Two previous records near Dakar, Aug, Jan (M&M).]

Laniidae

Nilaus afer Brubru Shrike 412. New square 16. Three records from N (LOU, POD), including a pair near Thiès, Mar 1993. KAO, PNDS, one, Jan 1992. [Few observations N Senegal (M&M, Rodwell *et al.* 1996).]

Dryoscopus gambensis Gambian Puff-Back Shrike 413. TAM, scarce at PNNK, Dec–Feb. [Five previously collected PNNK, Aug 1955 to Feb 1956 (Dekeyser 1956).]

Tchagra senegala Black-crowned Tchagra 414. New square 18.

Laniarius ferrugineus Bell Shrike*. New square 16. KAO, one seen at Toubakouta, 27 Feb 1990. [One previous record, Casamance, Feb 1987 (M&M); possibly two records from The Gambia (Gore 1990).]

Malacorhynchus sulfureopectus Orange-breasted Bush-Shrike 416. New squares 16, 19, 25. KAO, PNDS, P, Apr 1990. TAM, three records at PNNK, Jan and Mar. [Previously recorded TAM at several sites east of Tambacounda (Morel 1980).]

M. blanchoti Grey-headed Bush-Shrike 417. New square 12. Single records of 1–2 birds, KAF, KOL and ZIG (PNBC). [Quite rare BC (Sala 1983), widespread south of 14°N (M&M).]

Lanius excubitor elegans Great Grey Shrike 420. New squares 12, 13. Frequent LOU, POD and LIN. Rare KAO and KAF.

Oriolidae

Oriolus oriolus European Golden Oriole 422. New square 5. LOU, three records of 1–3 on spring passage, Guembeul-SL, 24–27 Apr 1991. [Small numbers previously recorded Richard-Toll and PNOD, Apr–May (Morel & Roux 1973, Rodwell *et al.* 1996).]

Dicruridae

Dicrurus adsimilis Glossy-backed Drongo 425. Bred KAO at Kahone, one on eggs, Jul. [Bred Richard-Toll and BC, Jun–Jul (Sala 1983, M&M).]

Sturnidae

Onychognathus morio Crag Chestnut-winged Starling 426*. DAK, two north of Dakar, Jan 1987. TAM, three at Fongolembi, May 1987; two at Dindéfélou, May 1987; several pairs, May 1989. [Four previous records, including two birds near Dakar, Feb 1983 and tens south of PNNK, Mar 1984 (M&M).]

Lamprotornis chalceurus Short-tailed Glossy Starling 430. New square 25. Commonest starling from Missira (TAM) to Ziguinchor (ZIG), Jan 1988.

L. chalybaeus Blue-eared Glossy Starling 431. New squares 17, 18, 19. Common KAF, frequent to locally common ZIG, three records TAM, including one at PNNK. [Quite rare south of The Gambia (M&M).]

Cinnyricinclus leucogaster Amethyst Starling 433. Recorded twice ZIG, Apr, May, and from six locations in TAM, May. [Rare and sporadic at BC, Mar–Aug (Sala 1983). Previously collected PNNK, Apr 1957 (Dekeyser 1961); recorded in wet season (Dupuy 1970).]

Spreo pulcher Chestnut-bellied Starling 434. Bred KAO at Kaolack, ad. feeding fledged ch., Oct. [Breeds almost all year round (M&M).]

Buphagus africanus Yellow-billed Oxpecker 436. ZIG, common, Bignona-Séléti, Jan 1988. [Less common south of The Gambia (M&M).]

Corvidae

Corvus albus Pied Crow 438. LOU, uncommon to locally frequent in R. Senegal delta. Bred ZIG at Cap Skirring, Jun. [Previously recorded breeding N Senegal and Ziguinchor, Jun–Jul (Sala 1983, M&M).]

C. ruficollis Brown-necked Raven 439*. Two records POD of 1–2, Feb. [Small numbers previously recorded N Senegal (M&M).]

Campephagidae

Coracina pectoralis White-breasted Cuckoo-Shrike 440*. ZIG, one at PNBC, Jan 1992. [Five previous Senegal records, including two from BC (M&M).]

Campephaga phoenicea Red-shouldered Cuckoo-Shrike 441. TAM, male at Gouloumbou, Jul 1988 and male at PNNK, 24 Feb 1993. [Irregular south of 14°N

(M&M). Previously collected and seen at PNNK, Sep 1955 and Apr 1957 (Dekeyser 1956, 1961).]

Pycnonotidae

Chlorocichla flavicollis Yellow-throated Leaf-love 446. New square 16. KAO, three at PNDS, Nov 1985.

C. simplex Simple Leaf-love**. New square 22. ZIG, one seen in an area of forest close to the beach at Cap Skirring, Feb 1991. [Occurs nearby (border 2 km away) in Guinea-Bissau (Serle & Morel 1977, Rodwell 1996).]

Thescelocichla leucopleura Swamp-palm Bulbul 447. ZIG: two at PNBC, Feb 1988; two at Cap Skirring, Feb 1991. [Uncommon but widespread in BC (Sala 1983).]

Phyllastrephus scandens Leaf-love 448. ZIG: seen at Ziguinchor; numerous at Forêt de Djibélor. [Common and widespread around Oussouye in ZIG (Sala 1983).]

Nicator chloris West African Nicator 452. ZIG: seen at Ziguinchor; numerous at Forêt de Djibélor. [12 previous records BC, most around Oussouye (Sala 1983, M&M).]

Turdidae

Saxicola rubetra Whinchat 453. New square 23. Uncommon winter visitor and on spring passage LOU and KAO, rare DAK, KOL and TAM, Dec to 23 Jun. [Small numbers winter south of Dakar (M&M) and on spring passage in N until 11 May (Morel & Roux 1966).]

S. torquata Stonechat 454. New square 22. *S. t. moptana*, LOU, small breeding population in Senegal delta. Two males in 1988, three pairs and one singing male in 1991. Breeding at Ndiaodoum, two chs, Jun 1991. ZIG, Oussouye, one, Jan 1988, ssp. unrecorded. [Several pairs of *S. t. moptana* previously bred in R. Senegal delta (Jarry & Larigauderie 1971, 1974).]

Oenanthe oenanthe Wheatear 455. POD, total of 18 *O. o. seebohmi* seen at three locations, Feb 1993. [*O. o. seebohmi* previously recorded in N Senegal in small numbers (M&M).]

O. hispanica Spanish Wheatear 456. New square 12. Frequent to common winter visitor POD, frequent LOU, LIN and KAF south to Loumbol.

O. deserti Desert Wheatear 457. New square 10. POD, two at Nianga Diéry, Feb 1993. DAK: female at PDA, Dec-Feb 1993; male at PNIM, Feb 1993. [Small numbers winter in R. Senegal delta and valley (Morel 1980, Rodwell *et al.* 1996), previously unrecorded elsewhere. Two Gambian records (Jensen & Kirkeby 1980).]

O. isabellina Isabelline Wheatear 458. New squares 3, 10, 12. Five records of 1-5 birds wintering LOU and POD, one DAK and one KAF, Dec-Apr. [Only one other record south of R. Senegal delta and valley (M&M).]

Cercomela familiaris Red-tailed Chat 460. TAM: seen Dindéfélou, May 1988 and 1989; four at PNNK, Feb 1989. [Quite common around Kédougou (M&M) but previously unrecorded PNNK.]

Myrmecocichla aethiops Ant-Chat 461. Bred KAO at Fatick: recently hatched chs, Jul 1986; nesting, Oct 1987. [Breeding at Richard-Toll, Jul (M&M).]

M. cinnamomeiventris White-crowned Cliff-Chat 463. TAM: two seen at Dindéfélou, May 1988; present at Ibel, May 1989. [Five in same area, Mar 1972; widespread around Kédougou, late Mar 1984 (M&M).]

M. albifrons White-fronted Black Chat 464. New squares 16, 19. One record at KAO, single at PNDS, Apr 1990. Three records TAM: single at Dindéfélou, May 1988; 1–2 birds at PNNK, Jan 1988 and Feb 1989. [Probably widespread but uncommon south of 15°30'N (M&M). Previously recorded at PNNK, Jul 1967 (Dupuy 1970).]

Monticola saxatilis Rock Thrush 465*. New squares 1, 19. Rare winter visitor, total five records, one LOU, two DAK and TAM (both PNNK), all singles, Oct, Jan–Apr. [Seven previous Senegal records (M&M).]

M. solitaria Blue Rock Thrush 466. New square 11. KAO, female at Palmarin, Dec-Jan 1991–2.

Phoenicurus phoenicurus Redstart 467. Frequent winter visitor LOU, LIN, KAO and KAF. Found at low density throughout range, although slightly more numerous in coastal woodlands. Latest record, SL, 21 May. KAO, an adult male at Mbour ORSTOM station had an obvious light wing panel (typical of SW Asian *P. p. samamisicus*), 14 Feb 1993. This subspecies usually winters Arabia and NE Africa, but has been recorded as far west as Algeria (Keith *et al.* 1992). Some birds ringed at Mbour (Mar–Apr 1986) had wing lengths comparable to birds originating from eastern Europe (Loske 1990).

Cercotrichas podobe Black Scrub-Robin 468. New square 25. TAM, one at PNNK, Jan 1989. [Two previous records at PNNK (M&M).]

C. galactotes Rufous Scrub-Robin 469. New square 25. TAM, one at PNNK, Jan 1989. *Alethe diademata* Fire-Crest Alethe 470. ZIG, two at PNBC, Feb 1988. [Four previous records ZIG, including two at PNBC (Sala 1983, M&M).]

Cossypha niveicapilla Snowy-crowned Robin-Chat 472. KAO at Kaolack, nesting, Oct 1988. [Three other Senegal breeding records, BC and Mbour, Jun, Aug (Sala 1983, M&M).]

Luscinia megarhynchos Nightingale 473. New square 16. KAO, one at Djifère, 8 May 1992.

Turdus pelios West African Thrush 476. New square 6. One record LIN, single, Nov. [Rare north of 15°N (M&M).]

Timaliidae

Malacocincla fulvescens Brown Akalat 477. ZIG, one seen at Forêt de Djibélor, Mar 1990. [Previously recorded from three other locations in ZIG (Sala 1983).]

Phyllanthus atripennis Capuchin Babbler 480. ZIG, five at Forêt de Djibélor, Mar 1990. [Previously recorded ZIG around Oussouye (Sala 1983) and Ziguinchor (M&M).]

Turdoides plebeja Brown Babbler 481. New square 1. Two records LOU, 2–3 birds, Dec 1991. [Widespread but uncommon in arid parts of N Senegal (M&M).]

Sylviidae

Locustella lusciniooides Savi's Warbler 484. New square 10. DAK, 3–4 singing at Dakar-Hann, Jan 1991. [Previously recorded wintering only from N Senegal (Morel

& Roux 1962, 1966, Rodwell *et al.* 1996) and PNNK (M&M).]

L. naevia Grasshopper Warbler 485. LOU, the only two winter records outside PNOD. Common winter visitor at PNOD (Rodwell *et al.* 1996). [Previously recorded twice on passage at Richard-Toll (M&M).]

Acrocephalus schoenobaenus Sedge Warbler 487. New squares 5, 19. TAM, one at PNNK, Feb 1993. [Several previous records TAM near Kédougou, Mar 1972 (M&M).]

A. scirpaceus Reed Warbler 488. New squares 1, 25. LOU, small numbers wintering around SL. More common wintering further inland at PNOD (Rodwell *et al.* 1996). TAM, three records of up to five birds at PNNK, Jan–Feb. [One previous record at PNNK, two ringed, Apr 1969 (Dupuy 1969).]

Hippolais polyglotta Melodious Warbler 493. New square 26. TAM, one at PNNK, Feb 1989.

H. pallida Olivaceous Warbler 494. TAM, four records at PNNK, singles, Jan–Feb. [Previously collected PNNK, Mar 1957 (Dekeyser 1961); recorded there 1969 (Dupuy 1970).]

Sylvia hortensis Orphean Warbler 495. New squares 1, 6, 7, 8, 10, 19. Frequent in central Senegal at LIN. Uncommon LOU outside PNOD. Rare winter visitor elsewhere, single records from DAK, MAT, TAM (PNNK) and four from KAO.

S. borin Garden Warbler 496. New square 6. Two winter records, one LOU and KAO, Jan–Feb. Scarce in winter at PNOD (Rodwell *et al.* 1996). One ringed at Mbour, 5 Sep 1992, is the earliest on autumn passage. [Previously reported on autumn passage in N from mid-Sep (Morel & Roux 1966). Common KAO, early Dec (Smet & Gompel 1980).]

S. atricapilla Blackcap 497. New square 5. KAO, recorded until 17 May. ZIG, one at PNBC, Feb 1988 and Jan 1992. [Four previous records BC, Dec, Feb, May (Sala 1983).]

S. communis Whitethroat 498. New squares 1, 6, 8. Frequent winter visitor LIN and LOU. [Large numbers winter in N (Morel & Roux 1966).]

S. curruca Lesser Whitethroat. New squares 1, 2, 6. LOU, one at Ndigue, Jan 1993 (M. Fouquet pers. comm.) and one between PNOD and SL, Feb 1993. POD, two at Richard-Toll, Jan 1994. LIN, one at Lindé, Mar 1992. Otherwise, seen only at PNOD since 1987 (Rodwell *et al.* 1996).

S. melanocephala Sardinian Warbler 499. New squares 1, 11. Frequent winter visitor POD, 1993. Usually uncommon at PNOD, although occasionally common (Rodwell *et al.* 1996). DAK, one at PDA, Jan–Feb 1993. [Small numbers previously recorded POD and once from BC (M&M).]

S. cantillans Subalpine Warbler 500. ZIG, one at Djironmalt, Jan 1992. TAM, four at PNNK, Jan 1991. [Four other records BC, Jan–Mar (Sala 1983); previously recorded TAM (M&M).]

S. conspicillata Spectacled Warbler 501. New squares 1, 2. LOU: three records at Guembeul of one to several birds, Jan 1988, Dec 1990, Jan 1991; one bird between

PNOD and SL, Feb 1993. Usually rare at PNOD, although occasionally quite common (Rodwell *et al.* 1996). POD, two at Tatki, Apr 1990. [Three previous Senegal records at Guembeul (Meininger 1988, M&M).]

Phylloscopus trochilus Willow Warbler 502. New squares 1, 12, 16, 19. LOU, one winter record (Jan 1988), common on passage. Scarce in winter at PNOD (Rodwell *et al.* 1996). ZIG, three records of 1–3 wintering, Jan 1992. TAM, very common at PNNK, Mar 1992. [Several records of wintering birds in BC (Sala 1983). Common TAM (Dupuy 1970).]

P. collybita Chiffchaff 503. New squares 5, 6, 19. Common winter visitor LOU and POD; frequent LIN; scarce TAM, mainly at PNNK. [Previously collected PNNK (Dekeyser 1961) and considered common there in 1969 (Dupuy 1969, 1970).]

P. bonelli Bonelli's Warbler 504. New squares 7, 22. ZIG, one at Djironmaït, Jan 1992. [Winters further north in The Gambia (Gore 1981).]

Cisticola galactotes Winding Cisticola 509. New squares 1, 12. LOU, frequent in the R. Senegal delta. KAF, one at Kaffrine, Apr 1990.

C. natalensis Striped Cisticola 510*. New squares 11, 26. KAO, two seen at Kahone, Apr 1988. TAM, one seen at Ségou, May 1988. [Previously recorded from only three regions; TAM (Dekeyser 1956), DAK (Erard 1975), KAF (M&M).]

C. ruficeps/dorsti Redplate/Plaintive Cisticola 511. New squares 6, 23. Two records of singles seen: LIN at Lindé, Dec 1991; KOL at Sitaba, Jan 1992. These two can only be reliably separated by voice (Chappuis & Erard 1991, G. Morel pers comm.).]

C. juncidis Common Fantail Warbler 514. New squares 5, 12, 16. Frequent LOU in the R. Senegal delta, KAO at PNDS along Saloum delta and KAF at Kaffrine.

Prinia clamans Scaly-fronted Warbler 517. New squares 6, 13. Frequent LIN, KAF.

P. erythroptera Red-winged Warbler 518. New squares 11, 22. KAO, one at Mbour, Mar 1989. ZIG, one near Ziguinchor, Feb 1988. [One previous record, Casamance (Bannerman 1949).]

Hypergerus atriceps Moho 521. TAM, three records at PNNK, 1–3 birds, Mar–Apr. [Common at two locations in TAM (M&M); previously recorded once at PNNK, spring 1969 (Dupuy 1970).]

Camaroptera chloronota Green-backed Camaroptera 522*. New square 22. ZIG, one on an island north of Cap Skirring, Feb 1991. TAM, one, Jan 1988. [Five previous Senegal records, four at PNNK and one at Popenguine (Dekeyser 1956, 1961, Dupuy 1970).]

C. brevicaudata Grey-backed Camaroptera 523. Bred KAO at Koutango, ad. feeding ch., Oct. [Breeds Richard-Toll, Jun–Nov (M&M).]

Eremomela icteropygialis Grey-backed Eremomela 524. New squares 6, 10, 13. Frequent LIN and KAF; two records DAK.

E. pusilla Green-backed Eremomela 525. New squares 3, 6. Frequent LIN.

Sylvietta virens Green Crombec 526*. ZIG, three at Djibélor, 29 Mar 1990. [Three previous Senegal records, two from BC (Sala 1983), one between Kolda and Tambacounda (M&M).]

S. brachyura Nuthatch Warbler 528. New squares 12, 18.

Muscicapidae

Muscicapa striata Spotted Flycatcher 530. New square 6. Frequent on spring passage LOU at SL, 26 Apr to 23 Jun. Two winter records; LOU, Guembeul, Jan 1992; KAO, Mbour, Feb 1993. [Previously recorded on spring passage at Richard-Toll until 21 May (Morel & Roux 1966) and wintering south of Dakar (M&M).]

M. aquatica Swamp Flycatcher 531. One record ZIG and KOL, four from TAM, including three at PNNK (max. four birds). Bred TAM at Niéri Ko, ad. feeding a fledged ch., Jan 1988. [Widespread along R. Casamance and R. Gambia. One other breeding record, Richard-Toll, Mar (M&M).]

Myioparus plumbeus Grey Tit-Babbler 532. Two records TAM at PNNK, singles, Jan 1988. [Previously collected once at PNNK, Apr 1957 (Dekeyser 1961) and observed once (Dupuy 1970).]

Ficedula hypoleuca Pied Flycatcher 533. New squares 23, 25. LOU, SL, frequent on autumn passage, scarce on spring passage (27 Apr to 31 May). Also recorded once on autumn passage KOL (single, Oct 1988) and once on spring passage KAO (two, 4 Jun 1989). TAM, three winter records at PNNK, Jan 1988, Feb 1989. [Previously recorded on passage in N, although rarely in spring from late Apr to mid-May (Morel & Roux 1966); wintering in the Casamance (Sala 1983).]

Fraseria cinerascens White-browed Forest Flycatcher 534. Two records ZIG at PNBC, 1–2 birds, Feb 1988, Apr 1989. [Widespread in BC, almost all year (Sala 1983, M&M).]

Melaenornis edolioides Black Flycatcher 535. Two records KAO at Mbour, singles, Feb 1988 and Apr 1990. [Exceptional north of 14°N (M&M).]

Bradornis pallidus Pale Flycatcher 536. New squares 6, 12, 13, 23. Four records north of 14°N, LIN and KAF.

Batis senegalensis Senegal Puff-back Flycatcher 539. Two records ZIG at Abéné and Kalissaye. [Two previous records BC (Sala 1983).]

Trochocercus longicauda Blue Fairy Flycatcher 541. ZIG, one at PNBC, Feb 1988.

Terpsiphone rufiventer Red-bellied Paradise Flycatcher 542. New square 25. Two records TAM at PNNK, Jan 1988 and 1989. Bred ZIG at Djibélor, eggs hatching, Jul 1994. [Previously recorded TAM, no information given (M&M).]

T. viridis Paradise Flycatcher 543. ZIG, common at Forêt de Djibélor, Mar 1990. TAM, scarce at PNNK, Jan–Mar, Jun. [Widespread but rather rare in BC (Sala 1983); four previous records at PNNK (Dekeyser 1956, Dupuy 1970).]

Paridae

Parus leucomelas White-shouldered Black Tit 544. TAM, scarce at PNNK, Dec–May. [Previously collected at PNNK, Feb 1956 (Dekeyser 1956) and recorded from the region (Dupuy 1970).]

Remizidae

Remiz punctifrons Sudan Penduline Tit 545. New squares 6, 13. One record KAF, two LIN, 1–3 birds, Feb, Apr.

R. parvulus West African Penduline Tit 546. New square 22. ZIG, one at Cap Skirring, Feb 1991.

Nectariniidae

Anthreptes gabonicus Mouse Brown Sunbird 548. KAO, two records at PNDS, singles, Feb, Apr. ZIG, common at Cap Skirring. [Previously recorded once in KAO, Dec (M&M); rare resident in BC (Sala 1983).]

A. longuemarei Violet-backed Sunbird 549. Four records TAM at PNNK, 1–2 birds, Jan, Mar, May. [Five previous records PNNK (Dekeyser 1956 & 1961, Dupuy 1970).]

A. platura Pygmy Long-tailed Sunbird 551. New square 6. Common LIN. Two records KOL, Jan 1992. TAM, four males at PNNK, Jan–Feb 1991. [PNNK, previously collected (Dekeyser 1956) and recorded breeding (Dupuy 1970).]

Nectarinia verticalis Olive-backed Sunbird 553. TAM, one at Dindéfélou, May 1989. [Previously recorded TAM at PNNK (Dupuy 1970), east of PNNK and Kédougou (M&M).]

N. venusta Yellow-bellied Sunbird 555. Bred DAK at Dakar, pair with four recently fledged young, Jan 1993. [Breeds in The Gambia, Mar–Apr (Gore 1981).]

N. chloropygia Olive-bellied Sunbird 556*. KAO, regular at Toubakouta, Feb 1990. [Previously recorded KAO (once), ZIG and TAM (M&M).]

N. cuprea Copper Sunbird 557. KAO, three at Djifère, Jun 1989. [Few Senegal records, probably not uncommon (M&M).]

N. pulchella Beautiful Sunbird 559. New square 1. LOU, frequent at SL.

Zosteropidae

Zosterops senegalensis Yellow White-eye 560. KAO, Djifère and PNDS, singles, Feb and Jun. ZIG, two at PNBC, Feb 1988. KOL, ten at Diana Malar, Jan 1992. TAM, seven at PNNK, Mar 1988. [Widespread south of 14°N, rarely common (M&M). Three previous records, BC (Sala 1983).]

Emberizidae

Serinus mozambicus Yellow-fronted Canary 567. New squares 1, 23. Common at PNNK. [Previously collected once at PNNK (Dekeyser 1956) and recorded as present (Dupuy 1970).]

Ploceidae

Ploceus velatus Vitelline Masked Weaver 572. New square 23. Two records KOL and two TAM, including one at PNNK. [Several at PNNK, Jul 1967 (Morel & Dupuy 1969, Dupuy 1970).]

P. cucullatus Village Weaver 574. Bred KAO at Joal and Toubakouta, Oct. [Breeds at Richard-Toll, Aug–Sep (M&M) and at BC, Nov–May (Sala 1983).]

P. melanocephalus Black-headed Weaver 576. New square 16.

Malimbus nitens Blue-billed Malimbe 579. ZIG, two records at PNBC, 1–2 birds, Jan 1988 and Feb 1991. [Quite common in some forests at BC (Sala 1983).]

Quelea quelea Black-faced Dioch 582. New squares 16, 19. Three records KAO and one TAM (PNNK). [Rarely seen south of Région de Thiès (M&M).]

Euplectes afer Yellow-crowned Bishop 583. New squares 5, 10, 23. Locally common KOL. Two records DAK (PNIM, PDA) and two TAM (one PNNK). [Common in BC (Sala 1983) and recorded in TAM, no information given (M&M).]

E. ardens Long-tailed Black Whydah 584*. New square 19. TAM, one at PNNK, 22 Mar 1992. [One previous record, location not given (Neumann 1917). Three Gambian records (Bannerman 1949, Cawkell 1965).]

E. hordeaceus Fire-crowned Bishop 585. New square 23. One record DAK (PNIM) and two KOL (Oct 1988). [Previously unrecorded in BC (Sala 1983, M&M).]

E. macrourus Yellow-mantled Whydah 586. Recorded once DAK at PNIM and at five locations in ZIG, only common at PNBC [Previously recorded DAK, Jun-Jul (M&M); widespread but uncommon BC (Sala 1983).]

E. orix Red Bishop 587. New squares 1, 22. Common in fallow fields ZIG and KOL, Oct 1988.

Bubalornis albirostris Buffalo-Weaver 589. TAM, three records at PNNK, max. 60, Jan 1991. [Previously recorded at PNNK, Dec 1955 (Dekeyser 1956).]

Plocepasser superciliosus Sparrow-Weaver 590. New squares 12, 16. Bred TAM at PNNK, one nest-building, Jan 1991. [Recorded PNNK, no information given (Dupuy 1970). One Gambian breeding record, Nov (Gore 1981).]

Passer domesticus House Sparrow 591. New squares 13, 16, 18.

P. griseus Grey-headed Sparrow 592. One record TAM, c. 100 at PNNK, Jan 1991. POD at Paté Galo, nest with chs, Feb 1993. [Collected PNNK by Dekeyser (1956); previously considered common (Dupuy 1970). Breeds Richard-Toll, Jul-Nov (M&M).]

P. luteus Golden Sparrow 593. ZIG, small flock at Cap Skirring, Feb 1991. [One previous record from BC (M&M).]

Petronia dentata Bush Sparrow 595. ZIG, observed at Cap Skirring, Feb 1991. [Three previous records BC (Sala 1983).]

Sporopipes frontalis Scaly-fronted Weaver 596. New square 16.

Viduidae

Vidua macroura Pin-tailed Whydah 597. New square 23. One record KOL and TAM (PNNK). [Previously recorded twice at PNNK, Jun-Jul 1967 (Morel & Dupuy 1969).]

V. chalybeata Senegal Indigo-Finch 598. TAM, locally common at PNNK. [Previously recorded TAM, no information given (M&M).]

V. orientalis Broad-tailed Paradise Whydah 600. New squares 4, 7, 9, 16, 17.

Estrildidae

Pirenestes sanguineus Crimson Seed-Cracker 602. ZIG, one at PNBC, Apr 1989. [Rare around Oussouye and PNBC (Sala 1983).]

Nigrita bicolor Chestnut-breasted Negro-Finch 603. ZIG, one at PNBC, Apr 1989. [Previously considered widespread in BC (Sala 1983).]

Spermophaga haematina Blue-billed Weaver 604. ZIG, six records of 1-2 birds at PNBC, Jan-May. [Two previous records at PNBC, Apr, Dec 1980 (Sala 1983).]

- Amadina fasciata* Cut-throat Finch 606. New square 16. Locally common KAO, Feb–May.
- Ptyilia melba* Melba Finch 607. New square 16. One record TAM at PNNK, Feb 1990. [Previously recorded TAM, no information given (M&M).]
- P. phoenicoptera* Red-winged Ptyilia 608. Two records TAM at PNNK, Feb 1989 and 1992. [Four at PNNK, Aug 1955 (Dekeyser 1956).]
- Estrilda melpoda* Orange-cheeked Waxbill 609. New squares 2, 11. POD, c. 5 at Tatki, Feb 1992. One record KAO.
- E. troglodytes* Black-rumped Waxbill 610. New square 16.
- E. caerulescens* Lavender Fire-Finch 611. New square 6. One record LIN and two TAM (PNNK, Jan–Feb). [Previously observed at PNNK, Jul 1967 (Morel & Dupuy 1969) and recorded as present (Dupuy 1970).]
- Lagonosticta rufopicta* Bar-breasted Fire-Finch 614. TAM, 1–3 at three locations, including PNNK, Feb, May. [Three collected PNNK, Feb 1956, Apr 1957 (Dekeyser 1956, 1961), and observed in 1969 (Dupuy 1970).]
- L. senegala* Senegal Fire-Finch 615. KAO, albino at Kaolack, Jul 1988.
- L. rubricata* Blue-billed Fire-Finch 616*. New square (19), TAM, seen at PNNK, Feb 1992. [Two previous Senegal records, MAT (M&M) and ZIG (Ridder 1977). Rather common and widespread in Mali, south of 15°N (Lamarche 1981). Occurs in Guinea and Guinea-Bissau (Dowsett & Dowsett-Lemaire 1993).]
- Amandava subflava* Zebra Waxbill 618. New square 20. One record TAM at PNNK, Jan 1990. [Previously recorded TAM, no information given (M&M).]
- Ortygospiza atricollis* Quail-Finch 619. New square 16, max. 52, Mar 1989.
- Lonchura malabarica* Warbling Silverbill 620. New square 19. TAM, P at PNNK, Apr 1990. Pair nested KAO at Sokone, Apr, chs. hatched May. [Breeds Richard-Toll, Apr–Aug (M&M) and PNOD, Nov, May (Rodwell *et al.* (1996).]
- L. fringilloides* Magpie Mannikin 621*. New square 23. KOL, one at Sédiou, Oct 1988. TAM, eight at PNNK, Mar 1988. [Previously collected PNNK, Sep, Feb–Apr 1955–7 (Dekeyser 1956, 1961) and observed, Dec 1982 (M&M).]
- L. cucullata* Bronze Mannikin 623. DAK at Dakar, one carrying nest material, Oct 1985. [Two breeding records BC, Sep, Oct (M&M), and seven from The Gambia, Apr, Sep–Dec (Gore 1981).]

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Appendix 1 Contributors (unpublished reports used in this paper)

- BAILLEUL, P. Observations d'oiseaux de mer à la Pointe des Almadies 29.09.91 au 15.07.92.
- BAILLEUL, P. Sélection d'observations ornithologiques réalisées au Sénégal de 1990 à 1993.
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Appendix 2

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Appendix 3 Gazetteer

Location	Coordinates
LOU: Région de Louga	
Dakar Bango	16°02'N 16°27'W
Gandiol	15°53'N 16°29'W
Guembeul	15°55'N 16°28'W
Lagune des Spatules	15°55'N 16°28'W
Louga	15°37'N 16°12'W
Maka	16°11'N 16°23'W
Makhana	16°04'N 16°22'W
Mékhé	15°07'N 16°37'W
Ndiaël	16°11'N 16°05'W
Ndiaodoum	16°04'N 16°21'W
Ndigue	16°19'N 16°20'W
PNLB	15°55'N 16°30'W
Ross-Béthio	16°16'N 16°08'W
Sanar	16°03'N 16°22'W
St-Louis	16°00'N 16°30'W
Trois-Marigots	16°02'N 16°17'W
POD: Région de Podor	
Lac de Guier	16°15'N 15°48'W

Ndioum	16°32'N 14°38'W
Nianga Diéry	near Dagana
Paté Galo	16°36'N 14°27'W
Podor	16°38'N 14°58'W
Richard-Toll	16°28'N 15°42'W
Tatki	16°12'N 15°19'W
LIN: Région de Linguère	
Lindé	15°10'N 15°07'W
Linguère	15°24'N 15°07'W
DAK: Région de Dakar	
Dakar	14°40'N 17°40'W
Dakar-Hann	14°40'N 17°40'W
Lac de Malika	14°48'N 17°20'W
Lac Mbeubeussé	14°48'N 17°21'W
Lac Retba	14°50'N 17°13'W
Lac Yeumbeul	14°48'N 17°20'W
Ngor	14°40'N 17°40'W
PNIM	14°40'N 17°40'W
Pointe des Almadies	14°40'N 17°40'W
Popenguine	14°33'N 17°07'W
Rufisque	14°42'N 17°16'W
Somone	14°29'N 17°05'W
Toubab Dialao	14°37'N 17°09'W
KAO: Région de Kaolack	
Djifère	13°50'N 16°45'W
Fatick	14°19'N 16°23'W
Fiméla	14°08'N 16°40'W
Joal	14°09'N 16°50'W
Kahone	14°09'N 16°02'W
Kaolack	14°08'N 16°04'W
Karang	13°34'N 16°25'W
Koutango	13°40'N 16°04'W
Mbour	14°24'N 16°58'W
Ndangane	14°04'N 16°42'W
Nianing	14°20'N 16°57'W
Palmarin	14°01'N 16°45'W
Passi	13°59'N 16°15'W
PNDS	13°35'N 16°27'W to 13°55'N 16°48'W
Pointe de Sangomar	13°50'N 16°45'W
Saboya	13°37'N 16°05'W
Samba Dia	14°08'N 16°44'W
Sandiara	14°25'N 16°48'W

Sokone	13°53'N 16°22'W
Tataguine	14°25'N 16°36'W
Thiès	14°46'N 16°55'W
Toubakouta	13°46'N 16°28'W
KAF: Région de Kaffrine	
Diokoul	13°57'N 15°17'W
Doli	14°49'N 14°57'W
Forêt de Paté	13°49'N 15°11'W
Guinguinéo	14°16'N 15°57'W
Kaffrine	14°06'N 15°32'W
Keur M'Bouky	14°08'N 15°50'W
Loumbol	14°25'N 15°03'W
Maka Gouye	13°49'N 14°57'W
Ndioum Guënt	14°22'N 15°12'W
Nganda	13°50'N 15°25'W
Niahène	14°00'N 15°11'W
Nioro du Rip	13°44'N 15°47'W
Pâfa	14°15'N 15°05'W
Patakour	14°44'N 14°57'W
Tiel	14°57'N 15°04'W
MAT: Région de Matam	
Kidira	14°27'N 12°12'W
Matam	15°39'N 13°15'W
ZIG: Région de Ziguinchor	
Abéné	12°59'N 16°43'W
Affiniam	12°38'N 16°22'W
Banganga	12°35'N 16°04'W
Bignona	12°47'N 16°13'W
Cap Skirring	12°24'N 16°46'W
Diegoun	12°50'N 16°22'W
Diouloulou	13°02'N 16°40'W
Djibélor	12°35'N 16°20'W
Djiromait	12°34'N 16°32'W
Essaoul	12°26'N 16°38'W
Kalissaye	12°57'N 16°43'W
Kassel	12°45'N 16°46'W
Nyassia	12°27'N 16°22'W
Oussouye	12°29'N 16°32'W
PNBC	12°24'N 16°35'W
Vendaye (Ile de)	12°24'N 16°46'W
Ziguinchor	12°35'N 16°16'W

KOL: Région de Kolda

Bona	12°57'N 15°50'W
Diana Malari	12°50'N 15°15'W
Diaroumé	12°58'N 15°37'W
Diattakounda	12°34'N 15°47'W
Goudomp	12°34'N 15°53'W
Kandiadiou	12°59'N 15°37'W
Karcia	12°49'N 15°04'W
Kolda	12°53'N 14°56'W
Sarebilal	12°47'N 15°07'W
Sédhiou	12°42'N 15°33'W
Simbandi Balant	12°33'N 15°47'W
Sitaba	12°46'N 15°33'W
Vélingara	13°09'N 14°06'W

TAM: Région de Tambacounda

Dialakoto	13°19'N 13°17'W
Dindéfélou	12°23'N 12°19'W
Fongolembi	12°25'N 12°01'W
Gareboureya	12°51'N 11°25'W
Gouloumbou	13°29'N 13°43'W
Ibel	12°31'N 12°22'W
Kédougou	12°33'N 12°10'W
Kossanto	13°08'N 11°58'W
River Koulountou	12°30'N 12°20'W
Missira	13°32'N 13°31'W
Niéri Ko	13°22'N 13°22'W
PNNK (including Simenti, Wouring)	12°30'N 12°20'W to 13°20'N 13°35'W
Salémata	12°38'N 12°49'W
Samécouta	12°37'N 12°08'W
Ségou	12°25'N 12°17'W
Tambacounda	13°46'N 13°40'W