

STATISTIQUES DE LA PECHERIE THONIERE FIS DURANT LA PERIODE DE 1969 À 1992

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SUMMARY

This document presents a statistical summary of the FIS fleet activities from 1960 to 1992. It contains tables of catches by species and gear, of fishing effort, of the number of vessels in the fleet, and the number of 1 degree squares visited by the fleet. A summary of sampling carried out in Dakar and Abidjan, indicating the number of individuals measures by species and by gear, is given. The size frequencies distribution by species and by gear are presented.

RESUME

Ce document présente un bilan statistique résumé de l'activité de la flottille FIS de 1969 à 1992. Il comprend des tableaux de prises par espèce et engin, d'efforts de pêche, d'effectifs de la flottille et du nombre de carrés de 1° visités par la flottille. Les statistiques de prises par espèce sont celles corrigées selon la composition spécifique des échantillons. Un bilan de l'échantillonnage réalisé à Dakar et Abidjan indiquant le nombre d'individus mesurés par espèce et par engin est donné. Les distributions de fréquences de taille extrapolées par espèces et par engin sont présentées.

RESUMEN

Este documento presenta un resumen estadístico de las actividades de la flota FIS desde 1960 a 1992. Contiene tablas de capturas por especies y arte, de esfuerzo pesquero, del número de barcos de la flota y del número de cuadrículas de 1° visitadas por la flota. Las estadísticas de capturas por especies son las que se corrigieron según la composición específica de las muestras. Se facilita un resumen del muestreo llevado a cabo en Dakar y Abidjan que indica el número de individuos medidos por especie y por arte. Se presentan las distribuciones de las frecuencias de talla extrapoladas por especies y por arte.

NB : La série des statistiques de la période 1988 à 1992 a fait l'objet de diverses corrections, en particulier en ce qui concerne les estimations de l'effort effectif des senneurs. Ces estimations annulent et remplacent les chiffres précédemment publiés sur la flottille FIS.

Tableau 1.- Nombre de thoniers par catégorie et mode de pêche de la flottille FIS de 1969 à 1992 (par année de débarquement).

| ANNEE | CANNEUR | CANNEUR | CANNEUR | PETIT | SENNEUR | GRAND | GRAND | GRAND |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| | GLACIER | CONGEL. | CONGEL. | SENNEUR | MOYEN | SENNEUR | SENNEUR | SENNEUR |
| | 40T. | 90T. | 90T. | 90T. | 200T. | 400T. | 700T. | +1000T. |
| 1969 | 51 | 11 | 12 | 14 | 6 | 4 | 1 | 0 |
| 1970 | 45 | 10 | 13 | 15 | 7 | 6 | 1 | 0 |
| 1971 | 28 | 8 | 15 | 15 | 12 | 7 | 1 | 0 |
| 1972 | 32 | 7 | 13 | 15 | 13 | 7 | 2 | 2 |
| 1973 | 26 | 6 | 9 | 21 | 17 | 7 | 2 | 3 |
| 1974 | 27 | 4 | 8 | 21 | 17 | 11 | 4 | 2 |
| 1975 | 29 | 4 | 5 | 17 | 14 | 16 | 5 | 3 |
| 1976 | 28 | 3 | 1 | 9 | 17 | 17 | 5 | 3 |
| 1977 | 26 | 3 | 1 | 3 | 8 | 18 | 7 | 3 |
| 1978 | 25 | 3 | 1 | 1 | 10 | 17 | 10 | 3 |
| 1979 | 26 | 3 | 2 | 0 | 3 | 16 | 11 | 3 |
| 1980 | 24 | 3 | 1 | 0 | 1 | 16 | 13 | 3 |
| 1981 | 22 | 3 | 1 | 0 | 4 | 16 | 15 | 2 |
| 1982 | 20 | 3 | 1 | 0 | 3 | 18 | 16 | 1 |
| 1983 | 19 | 3 | 1 | 0 | 2 | 17 | 16 | 0 |
| 1984 | 17 | 3 | 1 | 0 | 1 | 12 | 11 | 0 |
| 1985 | 17 | 3 | 1 | 0 | 1 | 7 | 4 | 0 |
| 1986 | 15 | 4 | 1 | 0 | 2 | 7 | 4 | 0 |
| 1987 | 11 | 3 | 1 | 0 | 2 | 5 | 4 | 0 |
| 1988 | 11 | 3 | 4 | 0 | 2 | 7 | 4 | 0 |
| 1989 | 9 | 3 | 5 | 0 | 2 | 7 | 4 | 0 |
| 1990 | 8 | 3 | 6 | 0 | 1 | 11 | 7 | 1 |
| 1991 | 4 | 1 | 5 | 0 | 0 | 11 | 9 | 2 |
| 1992 | 2 | 1 | 5 | 0 | 0 | 9 | 5 | 3 |

Tableau 2.- Efforts de pêche (en jours de mer bruts non standardisés) par engin et catégorie (capacité de transport) de la flottille FIS de 1969 à 1992.

| AN | CANNEUR | CANNEUR | CANNEUR | SENNEUR | SENNEUR | GRAND | GRAND | GRAND |
|------|---------|---------|---------|---------|---------|---------|---------|---------|
| | GLACIER | CONGEL. | CONGEL. | MOYEN | MOYEN | SENNEUR | SENNEUR | SENNEUR |
| | 50T | 50T | 90T | 90T | 200T | 400T | 700T | + 1000T |
| 1969 | 6760.9 | 2501.3 | 2838.7 | 2959.4 | 704.2 | 399.7 | 92.6 | .0 |
| 1970 | 3680.6 | 1673.2 | 2569.5 | 3244.6 | 1279.0 | 1223.0 | 71.6 | .0 |
| 1971 | 2977.0 | 1047.3 | 2669.4 | 2584.2 | 1643.5 | 780.5 | 50.0 | .0 |
| 1972 | 3463.1 | 1384.9 | 2132.2 | 3290.4 | 2452.2 | 1481.0 | 212.2 | 70.6 |
| 1973 | 3519.8 | 416.0 | 1453.1 | 3319.9 | 3016.3 | 1523.6 | 259.4 | 99.0 |
| 1974 | 3564.2 | 643.4 | 1058.1 | 3186.1 | 3129.2 | 2317.5 | 777.7 | 360.3 |
| 1975 | 3361.1 | 362.5 | 132.4 | 1511.1 | 2913.3 | 3374.7 | 1340.6 | 643.8 |
| 1976 | 3043.6 | 398.8 | 25.8 | 560.5 | 2080.3 | 4571.8 | 1244.5 | 871.0 |
| 1977 | 2677.0 | 456.6 | 36.2 | 304.7 | 1446.2 | 4650.9 | 1611.0 | 692.0 |
| 1978 | 2632.2 | 418.5 | 74.8 | 176.0 | 1591.2 | 4492.4 | 2328.0 | 836.1 |
| 1979 | 3106.5 | 425.5 | 158.1 | .0 | 437.0 | 4209.4 | 2772.9 | 697.5 |
| 1980 | 2592.8 | 471.1 | 124.5 | .0 | 16.3 | 4687.3 | 3634.2 | 689.7 |
| 1981 | 2418.7 | 469.4 | 124.6 | .0 | 517.0 | 4357.1 | 3959.2 | 552.2 |
| 1982 | 2722.5 | 434.8 | 152.5 | .0 | 411.1 | 4310.9 | 4254.2 | 88.0 |
| 1983 | 2798.2 | 471.0 | 137.5 | .0 | 285.8 | 4147.2 | 4383.8 | .0 |
| 1984 | 2454.2 | 425.7 | 140.5 | .0 | 72.9 | 1843.9 | 826.6 | .0 |
| 1985 | 2644.1 | 533.8 | 166.9 | .0 | 154.3 | 1226.4 | 758.3 | .0 |
| 1986 | 1646.6 | 513.8 | 136.2 | .0 | 158.6 | 981.8 | 823.2 | .0 |
| 1987 | 1513.7 | 572.8 | 196.9 | .0 | 277.3 | 1455.1 | 1137.0 | .0 |
| 1988 | 1398.8 | 598.0 | 495.1 | .0 | 245.7 | 1535.8 | 972.3 | .0 |
| 1989 | 1036.9 | 469.0 | 821.4 | .0 | 187.4 | 1679.5 | 1080.8 | .0 |
| 1990 | 967.3 | 579.0 | 1168.1 | .0 | 11.2 | 2724.3 | 1547.1 | 40.0 |
| 1991 | 384.6 | 158.9 | 897.2 | .0 | .0 | 2614.1 | 2143.0 | 347.6 |
| 1992 | 356.1 | 147.4 | 537.7 | .0 | .0 | 2372.0 | 1289.0 | 923.1 |

Tableau 3: Nombre de carrés de 1 degré explorés par engin par la flottille FIS de 1969 à 1992.

| ANNEE | CANNEUR | SENNEURS MOYENS | GRANDS SENNEURS | FISM |
|-------|---------|-----------------|-----------------|------|
| 1969 | 228 | 184 | 111 | 261 |
| 1970 | 212 | 207 | 169 | 278 |
| 1971 | 197 | 232 | 187 | 293 |
| 1972 | 170 | 201 | 186 | 266 |
| 1973 | 146 | 208 | 208 | 278 |
| 1974 | 136 | 221 | 211 | 275 |
| 1975 | 113 | 250 | 284 | 344 |
| 1976 | 75 | 244 | 358 | 407 |
| 1977 | 68 | 217 | 377 | 412 |
| 1978 | 46 | 223 | 398 | 444 |
| 1979 | 63 | 189 | 367 | 402 |
| 1980 | 69 | 132 | 402 | 437 |
| 1981 | 60 | 122 | 382 | 406 |
| 1982 | 83 | 146 | 386 | 414 |
| 1983 | 58 | 168 | 463 | 485 |
| 1984 | 60 | 22 | 344 | 368 |
| 1985 | 49 | 37 | 364 | 377 |
| 1986 | 47 | 27 | 289 | 306 |
| 1987 | 42 | 16 | 319 | 343 |
| 1988 | 51 | 23 | 302 | 335 |
| 1989 | 52 | 13 | 318 | 350 |
| 1990 | 68 | 0 | 341 | 380 |
| 1991 | 43 | 0 | 384 | 404 |
| 1992 | 27 | 0 | 291 | 316 |

TABLEAU 4 : PRISES, EFFORTS STANDARDISES (JOURS DE PECHE) DES CANNEURS FIS DE 1969 A 1992

| AN | PRISES | | | | EFFORTS | PUE | | | |
|------|--------|------|------|-------|---------|------|------|------|-------|
| | YFT | SKJ | BET | TOTAL | | YFT | SKJ | BET | TOTAL |
| 1969 | 14027 | 3569 | 2360 | 19956 | 9660 | 1.45 | .37 | .24 | 2.07 |
| 1970 | 7456 | 4219 | 1459 | 13134 | 7172 | 1.04 | .59 | .20 | 1.83 |
| 1971 | 7428 | 5592 | 1348 | 14368 | 6329 | 1.17 | .88 | .21 | 2.27 |
| 1972 | 7411 | 3699 | 1069 | 12179 | 5296 | 1.40 | .70 | .20 | 2.30 |
| 1973 | 5493 | 3227 | 1224 | 9944 | 4640 | 1.18 | .70 | .26 | 2.14 |
| 1974 | 6274 | 4425 | 981 | 11680 | 4594 | 1.37 | .96 | .21 | 2.54 |
| 1975 | 2866 | 1783 | 1329 | 5978 | 3285 | .87 | .54 | .40 | 1.82 |
| 1976 | 3682 | 2136 | 1365 | 7183 | 2911 | 1.26 | .73 | .47 | 2.47 |
| 1977 | 3391 | 2642 | 2569 | 8602 | 2702 | 1.25 | .98 | .95 | 3.18 |
| 1978 | 2801 | 3313 | 3611 | 9725 | 2766 | 1.01 | 1.20 | 1.31 | 3.52 |
| 1979 | 2175 | 3282 | 2038 | 7495 | 2523 | .86 | 1.30 | .81 | 2.97 |
| 1980 | 2142 | 3179 | 2450 | 7771 | 2162 | .99 | 1.47 | 1.13 | 3.59 |
| 1981 | 2953 | 2629 | 2198 | 7780 | 2457 | 1.20 | 1.07 | .89 | 3.17 |
| 1982 | 3034 | 4378 | 1832 | 9244 | 2509 | 1.21 | 1.74 | .73 | 3.68 |
| 1983 | 2728 | 2655 | 2062 | 7445 | 2658 | 1.03 | 1.00 | .78 | 2.80 |
| 1984 | 3460 | 3805 | 2146 | 9411 | 2400 | 1.44 | 1.59 | .89 | 3.92 |
| 1985 | 2874 | 3293 | 4034 | 10201 | 2601 | 1.10 | 1.27 | 1.55 | 3.92 |
| 1986 | 3797 | 2019 | 3228 | 9044 | 1949 | 1.95 | 1.04 | 1.66 | 4.64 |
| 1987 | 4024 | 2224 | 3045 | 9293 | 2019 | 1.99 | 1.10 | 1.51 | 4.60 |
| 1988 | 4513 | 2872 | 2655 | 10040 | 2026 | 2.23 | 1.42 | 1.31 | 4.96 |
| 1989 | 2498 | 4687 | 2353 | 9538 | 2012 | 1.24 | 2.33 | 1.17 | 4.74 |
| 1990 | 3965 | 3728 | 3016 | 10709 | 2274 | 1.74 | 1.64 | 1.33 | 4.71 |
| 1991 | 4733 | 1608 | 2609 | 8950 | 1330 | 3.56 | 1.21 | 1.96 | 6.73 |
| 1992 | 3125 | 1401 | 1887 | 6413 | 895 | 3.49 | 1.57 | 2.11 | 7.17 |

Tableau 7.- Fréquences de taille trimestrielles des albacores capturés par les canneurs FIS en 1992.

TABLEAU 5 : PRISES, EFFORTS STANDARDISES (JOURS DE PECHE) DES SENNEURS MOYENS FIS DE 1969 A 1992

| AN | PRISES | | | | EFFORTS | PUE | | | |
|------|--------|-------|------|-------|---------|------|------|------|-------|
| | YFT | SKJ | BET | TOTAL | | YFT | SKJ | BET | TOTAL |
| 1969 | 11531 | 2446 | 1047 | 15024 | 3229 | 3.57 | .76 | .32 | 4.65 |
| 1970 | 10694 | 5479 | 1691 | 17864 | 4711 | 2.27 | 1.16 | .36 | 3.79 |
| 1971 | 12798 | 8778 | 1687 | 23263 | 5537 | 2.31 | 1.59 | .30 | 4.20 |
| 1972 | 15399 | 8972 | 1872 | 26243 | 5674 | 2.71 | 1.58 | .33 | 4.63 |
| 1973 | 15115 | 5441 | 2192 | 22748 | 6229 | 2.43 | .87 | .35 | 3.65 |
| 1974 | 14191 | 10789 | 1961 | 26941 | 5953 | 2.38 | 1.81 | .33 | 4.53 |
| 1975 | 10225 | 4726 | 1143 | 16094 | 4737 | 2.16 | 1.00 | .24 | 3.40 |
| 1976 | 6753 | 2732 | 783 | 10268 | 3535 | 1.91 | .77 | .22 | 2.90 |
| 1977 | 4916 | 5389 | 872 | 11177 | 2455 | 2.00 | 2.20 | .36 | 4.55 |
| 1978 | 3753 | 4614 | 726 | 9093 | 2405 | 1.56 | 1.92 | .30 | 3.78 |
| 1979 | 1389 | 1509 | 288 | 3186 | 881 | 1.58 | 1.71 | .33 | 3.62 |
| 1980 | 1538 | 1166 | 226 | 2930 | 448 | 3.43 | 2.60 | .50 | 6.54 |
| 1981 | 3180 | 1933 | 397 | 5510 | 1006 | 3.16 | 1.92 | .39 | 5.48 |
| 1982 | 1332 | 1478 | 233 | 3043 | 645 | 2.07 | 2.29 | .36 | 4.72 |
| 1983 | 1010 | 1524 | 275 | 2809 | 594 | 1.70 | 2.57 | .46 | 4.73 |
| 1984 | 34 | 154 | 0 | 188 | 69 | .49 | 2.23 | .00 | 2.72 |
| 1985 | 123 | 582 | 16 | 721 | 142 | .87 | 4.10 | .11 | 5.08 |
| 1986 | 115 | 275 | 3 | 393 | 128 | .90 | 2.15 | .02 | 3.07 |
| 1987 | 144 | 531 | 262 | 937 | 253 | .57 | 2.10 | 1.04 | 3.70 |
| 1988 | 128 | 595 | 0 | 723 | 206 | .62 | 2.89 | .00 | 3.51 |
| 1989 | 62 | 253 | 0 | 315 | 115 | .54 | 2.20 | .00 | 2.74 |
| 1990 | 0 | 0 | 0 | 0 | 0 | .00 | .00 | .00 | .00 |
| 1991 | 0 | 0 | 0 | 0 | 0 | .00 | .00 | .00 | .00 |
| 1992 | 0 | 0 | 0 | 0 | 0 | .00 | .00 | .00 | .00 |

TABLEAU 6 : PRISES, EFFORTS STANDARDISES (JOURS DE PECHE) DES GRANDS SENNEURS FIS DE 1969 A 1992

| AN | PRISES | | | | EFFORTS | PUE | | | |
|------|--------|-------|------|-------|---------|------|------|-----|-------|
| | YFT | SKJ | BET | TOTAL | | YFT | SKJ | BET | TOTAL |
| 1969 | 2915 | 121 | 238 | 3274 | 434 | 6.72 | .28 | .55 | 7.54 |
| 1970 | 5973 | 2354 | 735 | 9062 | 1362 | 4.39 | 1.73 | .54 | 6.65 |
| 1971 | 5843 | 4325 | 937 | 11105 | 1903 | 3.07 | 2.27 | .49 | 5.84 |
| 1972 | 8434 | 4624 | 1013 | 14071 | 1745 | 4.83 | 2.65 | .58 | 8.06 |
| 1973 | 11079 | 2513 | 1026 | 14618 | 2065 | 5.37 | 1.22 | .50 | 7.08 |
| 1974 | 17741 | 11852 | 2259 | 31852 | 3909 | 4.54 | 3.03 | .58 | 8.15 |
| 1975 | 33578 | 5814 | 2429 | 41821 | 6401 | 5.25 | .91 | .38 | 6.53 |
| 1976 | 41189 | 12171 | 4337 | 57697 | 8214 | 5.01 | 1.48 | .53 | 7.02 |
| 1977 | 41641 | 23107 | 5529 | 70277 | 7484 | 5.56 | 3.09 | .74 | 9.39 |
| 1978 | 48638 | 17976 | 4648 | 71262 | 8624 | 5.64 | 2.08 | .54 | 8.26 |
| 1979 | 44212 | 13811 | 4982 | 63005 | 10106 | 4.37 | 1.37 | .49 | 6.23 |
| 1980 | 52230 | 22588 | 3833 | 78651 | 13349 | 3.91 | 1.69 | .29 | 5.89 |
| 1981 | 52130 | 24311 | 5821 | 82262 | 14438 | 3.61 | 1.68 | .40 | 5.70 |
| 1982 | 42668 | 26740 | 5240 | 74648 | 14174 | 3.01 | 1.89 | .37 | 5.27 |
| 1983 | 37742 | 27072 | 6062 | 70876 | 13015 | 2.90 | 2.08 | .47 | 5.45 |
| 1984 | 4486 | 9190 | 2108 | 15784 | 3000 | 1.50 | 3.06 | .70 | 5.26 |
| 1985 | 9423 | 10317 | 578 | 20318 | 2763 | 3.41 | 3.73 | .21 | 7.35 |
| 1986 | 13924 | 11143 | 1035 | 26102 | 2906 | 4.79 | 3.83 | .36 | 8.98 |
| 1987 | 13708 | 15139 | 1225 | 30072 | 3798 | 3.61 | 3.99 | .32 | 7.92 |
| 1988 | 16787 | 13108 | 1654 | 31549 | 3479 | 4.83 | 3.77 | .48 | 9.07 |
| 1989 | 28394 | 10782 | 1221 | 40397 | 4140 | 6.86 | 2.60 | .29 | 9.76 |
| 1990 | 41901 | 13644 | 2284 | 57829 | 6134 | 6.83 | 2.22 | .37 | 9.43 |
| 1991 | 28746 | 28707 | 4045 | 61498 | 7248 | 3.97 | 3.96 | .56 | 8.48 |
| 1992 | 28631 | 18774 | 5517 | 52922 | 6159 | 4.65 | 3.05 | .90 | 8.59 |

| | 1 | 2 | 3 | 4 | TOTAL |
|-------|---------|--------|----------|---------|----------|
| 36 | 78 | 136 | 0 | 19 | 233 |
| 38 | 167 | 287 | 0 | 40 | 494 |
| 40 | 338 | 362 | 161 | 194 | 1055 |
| 42 | 445 | 313 | 341 | 349 | 1448 |
| 44 | 366 | 192 | 341 | 330 | 1229 |
| 46 | 11312 | 925 | 1867 | 1294 | 15398 |
| 48 | 12748 | 1208 | 2134 | 1330 | 17420 |
| 50 | 4265 | 725 | 2250 | 702 | 7942 |
| 52 | 4039 | 374 | 3444 | 891 | 8748 |
| 54 | 4115 | 52 | 9265 | 1233 | 14665 |
| 56 | 5463 | 51 | 19428 | 4135 | 29077 |
| 58 | 5399 | 42 | 23399 | 6845 | 35685 |
| 60 | 4348 | 51 | 18264 | 9477 | 32140 |
| 62 | 2663 | 61 | 9252 | 10703 | 22679 |
| 64 | 2038 | 65 | 5274 | 9830 | 17207 |
| 66 | 1835 | 51 | 3894 | 8282 | 14052 |
| 68 | 1600 | 31 | 2307 | 6479 | 10417 |
| 70 | 1861 | 23 | 2112 | 6480 | 10476 |
| 72 | 1991 | 16 | 1598 | 5121 | 8726 |
| 74 | 1826 | 12 | 1114 | 3365 | 6317 |
| 76 | 1709 | 27 | 970 | 2064 | 4770 |
| 78 | 1562 | 44 | 804 | 1015 | 3425 |
| 80 | 1265 | 48 | 597 | 615 | 2525 |
| 82 | 1176 | 54 | 584 | 390 | 2204 |
| 84 | 1193 | 53 | 661 | 387 | 2294 |
| 86 | 1255 | 75 | 882 | 505 | 2717 |
| 88 | 990 | 80 | 883 | 504 | 2457 |
| 90 | 742 | 101 | 1217 | 575 | 2635 |
| 92 | 588 | 110 | 1454 | 593 | 2745 |
| 94 | 394 | 130 | 2055 | 562 | 3141 |
| 96 | 389 | 137 | 2413 | 511 | 3450 |
| 98 | 282 | 201 | 3166 | 446 | 4095 |
| 100 | 191 | 254 | 3502 | 428 | 4375 |
| 102 | 75 | 327 | 4228 | 496 | 5126 |
| 104 | 75 | 359 | 4904 | 655 | 5993 |
| 106 | 56 | 326 | 5052 | 862 | 6296 |
| 108 | 126 | 274 | 5326 | 1138 | 6864 |
| 110 | 182 | 171 | 4729 | 1210 | 6292 |
| 112 | 182 | 121 | 3911 | 1028 | 5242 |
| 114 | 158 | 44 | 2676 | 764 | 3642 |
| 116 | 111 | 22 | 2164 | 625 | 2922 |
| 118 | 158 | 5 | 1806 | 613 | 2582 |
| 120 | 182 | 0 | 1326 | 559 | 2067 |
| 122 | 182 | 0 | 993 | 575 | 1750 |
| 124 | 126 | 0 | 818 | 571 | 1515 |
| 126 | 56 | 0 | 456 | 429 | 941 |
| 128 | 32 | 0 | 317 | 316 | 665 |
| 130 | 0 | 0 | 130 | 158 | 288 |
| 132 | 0 | 0 | 97 | 126 | 223 |
| 134 | 0 | 0 | 41 | 63 | 104 |
| 136 | 0 | 0 | 31 | 58 | 89 |
| 138 | 0 | 0 | 7 | 56 | 77 |
| 140 | 0 | 0 | 4 | 48 | 55 |
| 142 | 0 | 0 | 4 | 45 | 49 |
| 144 | 0 | 0 | 0 | 34 | 34 |
| 146 | 0 | 0 | 0 | 31 | 31 |
| 148 | 0 | 0 | 0 | 29 | 29 |
| 150 | 0 | 0 | 0 | 31 | 31 |
| 152 | 0 | 0 | 0 | 28 | 28 |
| 154 | 0 | 0 | 0 | 23 | 23 |
| 156 | 0 | 0 | 0 | 21 | 21 |
| 158 | 0 | 0 | 0 | 17 | 17 |
| 160 | 0 | 0 | 0 | 11 | 11 |
| 162 | 0 | 0 | 0 | 8 | 8 |
| 164 | 0 | 0 | 0 | 3 | 3 |
| 166 | 0 | 0 | 0 | 2 | 2 |
| TOT. | 80334 | 7940 | 164670 | 96327 | 349271 |
| PDS = | 432989. | 72059. | 1796724. | 843718. | 3145490. |
| MOY. | 5.4 | 9.1 | 10.9 | 8.8 | 9.0 |

Tableau 8.- Fréquences de taille trimestrielles des albacores capturés par les senneurs FIS en 1992.

| | 1 | 2 | 3 | 4 | TOTAL |
|-------|-----------|----------|----------|----------|-----------|
| 32 | 0 | 143 | 0 | 0 | 143 |
| 34 | 2545 | 2756 | 42 | 228 | 5571 |
| 36 | 6378 | 8992 | 10068 | 13188 | 38626 |
| 38 | 8012 | 13257 | 20870 | 27230 | 69369 |
| 40 | 11656 | 16263 | 23689 | 39268 | 90876 |
| 42 | 12764 | 15513 | 19972 | 41292 | 89541 |
| 44 | 9993 | 11568 | 13455 | 30783 | 65799 |
| 46 | 28707 | 35701 | 17496 | 32323 | 114227 |
| 48 | 27922 | 39426 | 15496 | 19544 | 102388 |
| 50 | 7940 | 22146 | 14764 | 4187 | 49057 |
| 52 | 4631 | 18459 | 17833 | 3579 | 44502 |
| 54 | 2088 | 13246 | 18890 | 3111 | 37335 |
| 56 | 3254 | 12967 | 18386 | 4155 | 38762 |
| 58 | 3522 | 10223 | 13352 | 4268 | 31365 |
| 60 | 3232 | 8603 | 8556 | 4432 | 24823 |
| 62 | 2794 | 5854 | 3068 | 4324 | 16040 |
| 64 | 2782 | 4620 | 1939 | 4163 | 13504 |
| 66 | 3086 | 3606 | 1374 | 3423 | 11439 |
| 68 | 3449 | 2669 | 668 | 2496 | 9282 |
| 70 | 4640 | 2952 | 614 | 2508 | 10714 |
| 72 | 5783 | 2760 | 476 | 2167 | 11186 |
| 74 | 5843 | 2177 | 348 | 1688 | 10056 |
| 76 | 5606 | 1670 | 314 | 1397 | 8987 |
| 78 | 4954 | 1318 | 302 | 1117 | 7691 |
| 80 | 3722 | 1092 | 259 | 823 | 5896 |
| 82 | 3028 | 1209 | 374 | 873 | 5484 |
| 84 | 2850 | 1369 | 496 | 1058 | 5773 |
| 86 | 3328 | 1911 | 720 | 1213 | 7172 |
| 88 | 3007 | 2012 | 775 | 1058 | 6852 |
| 90 | 2968 | 2439 | 1107 | 805 | 7319 |
| 92 | 2793 | 2593 | 1318 | 617 | 7319 |
| 94 | 2437 | 3013 | 1980 | 356 | 7786 |
| 96 | 2278 | 3261 | 2416 | 307 | 8262 |
| 98 | 1947 | 3580 | 3504 | 254 | 9285 |
| 100 | 1797 | 3652 | 4056 | 247 | 9752 |
| 102 | 1479 | 3517 | 5559 | 349 | 10904 |
| 104 | 1357 | 3466 | 7203 | 562 | 12588 |
| 106 | 1054 | 2945 | 8225 | 720 | 12944 |
| 108 | 962 | 2912 | 9536 | 945 | 14355 |
| 110 | 736 | 2386 | 9657 | 1129 | 13908 |
| 112 | 614 | 1975 | 8562 | 1096 | 12247 |
| 114 | 577 | 1310 | 7483 | 1189 | 10559 |
| 116 | 694 | 1010 | 7147 | 1259 | 10070 |
| 118 | 1165 | 1049 | 8375 | 1764 | 12353 |
| 120 | 1469 | 985 | 8290 | 1914 | 12658 |
| 122 | 2152 | 1222 | 8489 | 2276 | 14139 |
| 124 | 3122 | 1643 | 8621 | 2836 | 16222 |
| 126 | 3238 | 1620 | 6716 | 2665 | 14239 |
| 128 | 4366 | 2154 | 6682 | 3308 | 16510 |
| 130 | 4856 | 2369 | 5643 | 3471 | 16339 |
| 132 | 6916 | 3333 | 7056 | 4496 | 21801 |
| 134 | 7389 | 3538 | 6854 | 4437 | 22218 |
| 136 | 9137 | 4241 | 7361 | 5128 | 25867 |
| 138 | 9897 | 4494 | 7184 | 5458 | 27033 |
| 140 | 10014 | 4436 | 6223 | 5493 | 26166 |
| 142 | 10914 | 4674 | 6023 | 5862 | 27473 |
| 144 | 10147 | 4099 | 4685 | 5172 | 24103 |
| 146 | 11350 | 4349 | 4738 | 5307 | 25944 |
| 148 | 13561 | 4715 | 4705 | 5560 | 28541 |
| 150 | 14914 | 5071 | 4898 | 5950 | 30833 |
| 152 | 13477 | 4465 | 4099 | 5231 | 27272 |
| 154 | 10292 | 3404 | 3007 | 4033 | 20736 |
| 156 | 8255 | 2657 | 2324 | 3186 | 16422 |
| 158 | 6122 | 1824 | 1520 | 2227 | 11693 |
| 160 | 4034 | 1106 | 923 | 1354 | 7417 |
| 162 | 3263 | 892 | 773 | 1041 | 5969 |
| 164 | 2147 | 590 | 546 | 632 | 3915 |
| 166 | 1950 | 571 | 530 | 596 | 3647 |
| 168 | 1240 | 392 | 393 | 425 | 2450 |
| 170 | 753 | 242 | 274 | 317 | 1586 |
| 172 | 472 | 143 | 204 | 225 | 1044 |
| 174 | 195 | 60 | 117 | 133 | 505 |
| 176 | 67 | 19 | 59 | 59 | 204 |
| 178 | 38 | 8 | 27 | 26 | 99 |
| 180 | 4 | 0 | 2 | 1 | 7 |
| 182 | 2 | 0 | 2 | 0 | 4 |
| TOT. | 386287 | 372926 | 429640 | 356314 | 1545167 |
| PDS = | 11807400. | 5654777. | 8784012. | 5954807. | 32200990. |
| MOY. | 30.6 | 15.2 | 20.4 | 16.7 | 20.8 |

Tableau 9.- Fréquences de taille trimestrielles des listaos capturés par les canneurs FIS en 1992.

| | 1 | 2 | 3 | 4 | TOTAL |
|-------|---------|---------|---------|---------|----------|
| 30 | 0 | 0 | 0 | 2822 | 2822 |
| 31 | 0 | 0 | 0 | 11371 | 11371 |
| 32 | 0 | 0 | 0 | 39840 | 39840 |
| 33 | 0 | 0 | 0 | 19920 | 19920 |
| 34 | 0 | 0 | 0 | 19920 | 19920 |
| 35 | 0 | 0 | 0 | 14193 | 14193 |
| 36 | 0 | 0 | 0 | 8466 | 8466 |
| 37 | 0 | 0 | 0 | 17015 | 17015 |
| 38 | 0 | 0 | 1128 | 17015 | 18143 |
| 39 | 0 | 0 | 0 | 19920 | 19920 |
| 40 | 0 | 187 | 557 | 2822 | 3566 |
| 41 | 0 | 750 | 0 | 5644 | 6394 |
| 42 | 600 | 187 | 2042 | 3352 | 6181 |
| 43 | 9675 | 908 | 3124 | 2822 | 16529 |
| 44 | 9675 | 5672 | 6741 | 5644 | 27732 |
| 45 | 15725 | 5950 | 13303 | 530 | 35508 |
| 46 | 12700 | 13781 | 31837 | 3925 | 62243 |
| 47 | 6650 | 17898 | 25103 | 6430 | 56081 |
| 48 | 5443 | 14632 | 31574 | 5409 | 57058 |
| 49 | 3025 | 14309 | 30226 | 7547 | 55107 |
| 50 | 0 | 13649 | 20997 | 7505 | 42151 |
| 51 | 600 | 8522 | 22107 | 9875 | 41104 |
| 52 | 0 | 4454 | 9112 | 4479 | 18045 |
| 53 | 600 | 2316 | 9982 | 4101 | 16999 |
| 54 | 600 | 1118 | 2367 | 2844 | 6929 |
| 55 | 0 | 0 | 8934 | 4822 | 13756 |
| 56 | 0 | 187 | 3540 | 3782 | 7509 |
| 57 | 0 | 0 | 4559 | 5989 | 10548 |
| 58 | 0 | 0 | 3557 | 4986 | 8543 |
| 59 | 0 | 0 | 1748 | 2734 | 4482 |
| 60 | 0 | 0 | 931 | 1052 | 1983 |
| 61 | 0 | 0 | 0 | 1238 | 1238 |
| 63 | 0 | 0 | 0 | 1075 | 1075 |
| TOT. | 65293 | 104520 | 233469 | 269089 | 672371 |
| PDS = | 126630. | 240943. | 579209. | 409105. | 1355888. |
| MOY. | 1.9 | 2.3 | 2.5 | 1.5 | 2.0 |

Tableau 10.- Fréquences de taille trimestrielles des liños capturés par les senneurs FIS en 1992.

| | 1 | 2 | 3 | 4 | TOTAL |
|-------|----------|----------|----------|----------|-----------|
| 30 | 0 | 101 | 0 | 0 | 101 |
| 31 | 0 | 338 | 0 | 1334 | 1672 |
| 32 | 0 | 5009 | 0 | 0 | 5009 |
| 33 | 855 | 2605 | 0 | 0 | 3460 |
| 34 | 2992 | 1338 | 0 | 5405 | 9735 |
| 35 | 1771 | 5155 | 28 | 11295 | 18249 |
| 36 | 8080 | 21777 | 70 | 28819 | 58746 |
| 37 | 20422 | 21745 | 2509 | 32094 | 76770 |
| 38 | 61086 | 37345 | 8402 | 59878 | 166711 |
| 39 | 88233 | 57161 | 10103 | 99979 | 255476 |
| 40 | 178608 | 116528 | 37806 | 125134 | 458076 |
| 41 | 174914 | 154613 | 34148 | 104849 | 468524 |
| 42 | 266483 | 250329 | 54109 | 179061 | 749982 |
| 43 | 376632 | 286259 | 64795 | 172749 | 900435 |
| 44 | 396853 | 365607 | 87980 | 114762 | 965202 |
| 45 | 336596 | 488326 | 68221 | 109106 | 1002249 |
| 46 | 352651 | 574682 | 92828 | 125782 | 1145943 |
| 47 | 328168 | 506075 | 96695 | 147684 | 1078622 |
| 48 | 232772 | 351572 | 98707 | 193866 | 876917 |
| 49 | 107958 | 189831 | 78662 | 152246 | 528697 |
| 50 | 124327 | 160541 | 112166 | 148025 | 545059 |
| 51 | 61088 | 91162 | 71731 | 115807 | 339788 |
| 52 | 62418 | 48169 | 73332 | 106961 | 290880 |
| 53 | 41896 | 27713 | 69948 | 72215 | 211772 |
| 54 | 28457 | 37745 | 53029 | 54440 | 173671 |
| 55 | 13406 | 24775 | 40520 | 30978 | 109679 |
| 56 | 10518 | 21965 | 33882 | 35013 | 101378 |
| 57 | 6268 | 16998 | 26603 | 17970 | 67839 |
| 58 | 4090 | 16351 | 30750 | 17289 | 68480 |
| 59 | 5104 | 12571 | 20640 | 8692 | 47007 |
| 60 | 7243 | 8518 | 25733 | 8792 | 50286 |
| 61 | 3393 | 8046 | 10929 | 5390 | 27758 |
| 62 | 7501 | 13086 | 18194 | 8525 | 47306 |
| 63 | 4550 | 6248 | 8001 | 507 | 19306 |
| 64 | 3829 | 5480 | 10243 | 973 | 20525 |
| 65 | 3535 | 5294 | 9346 | 3374 | 21549 |
| 66 | 4969 | 5581 | 5713 | 1011 | 17274 |
| 67 | 392 | 2907 | 7170 | 378 | 10847 |
| 68 | 7501 | 1691 | 1976 | 1255 | 12423 |
| 69 | 1412 | 548 | 781 | 834 | 3575 |
| 70 | 3535 | 0 | 807 | 0 | 4342 |
| 71 | 2120 | 107 | 403 | 0 | 2630 |
| 72 | 0 | 107 | 0 | 0 | 107 |
| 73 | 1412 | 0 | 0 | 0 | 1412 |
| 74 | 706 | 0 | 0 | 0 | 706 |
| 75 | 706 | 0 | 0 | 23 | 729 |
| 76 | 706 | 0 | 0 | 0 | 706 |
| TOT. | 3346156 | 3951999 | 1366960 | 2302495 | 10967610 |
| PDS = | 6539029. | 8054133. | 3620220. | 4881997. | 23095380. |
| MOY. | 2.0 | 2.0 | 2.6 | 2.1 | 2.1 |

Tableau 11.- Fréquences de taille trimestrielles des patudos capturés par les canneurs FIS en 1992.

| | 1 | 2 | 3 | 4 | TOTAL |
|-------|--------|--------|---------|---------|----------|
| 36 | 0 | 61 | 83 | 0 | 144 |
| 38 | 0 | 130 | 176 | 0 | 306 |
| 40 | 17 | 294 | 176 | 0 | 487 |
| 42 | 37 | 409 | 83 | 0 | 529 |
| 44 | 37 | 348 | 0 | 0 | 385 |
| 46 | 1171 | 185 | 435 | 602 | 2393 |
| 48 | 1875 | 105 | 646 | 955 | 3581 |
| 50 | 1431 | 173 | 428 | 714 | 2746 |
| 52 | 1264 | 172 | 619 | 1080 | 3135 |
| 54 | 1053 | 111 | 1911 | 1749 | 4824 |
| 56 | 1173 | 109 | 6017 | 2196 | 9495 |
| 58 | 1118 | 147 | 10263 | 2131 | 13659 |
| 60 | 706 | 144 | 11471 | 2197 | 14518 |
| 62 | 368 | 113 | 9549 | 2777 | 12807 |
| 64 | 228 | 82 | 8064 | 4085 | 12459 |
| 66 | 231 | 92 | 8135 | 5446 | 13904 |
| 68 | 182 | 77 | 6230 | 5479 | 11968 |
| 70 | 122 | 68 | 4779 | 5099 | 10068 |
| 72 | 86 | 67 | 4201 | 4275 | 8629 |
| 74 | 58 | 65 | 3835 | 3336 | 7294 |
| 76 | 38 | 45 | 3014 | 2324 | 5421 |
| 78 | 60 | 20 | 2702 | 1979 | 4761 |
| 80 | 100 | 12 | 2605 | 1754 | 4471 |
| 82 | 135 | 2 | 2195 | 1382 | 3714 |
| 84 | 203 | 2 | 2341 | 1733 | 4279 |
| 86 | 235 | 2 | 2006 | 1704 | 3947 |
| 88 | 241 | 2 | 1849 | 2041 | 4133 |
| 90 | 188 | 1 | 1302 | 1997 | 3488 |
| 92 | 156 | 2 | 1134 | 2134 | 3426 |
| 94 | 139 | 1 | 985 | 1969 | 3094 |
| 96 | 107 | 1 | 807 | 1739 | 2654 |
| 98 | 92 | 1 | 782 | 1681 | 2556 |
| 100 | 59 | 1 | 619 | 1247 | 1926 |
| 102 | 50 | 1 | 574 | 1076 | 1701 |
| 104 | 34 | 1 | 402 | 709 | 1146 |
| 106 | 30 | 1 | 333 | 794 | 1158 |
| 108 | 17 | 1 | 275 | 789 | 1082 |
| 110 | 8 | 1 | 232 | 775 | 1016 |
| 112 | 4 | 1 | 253 | 653 | 911 |
| 114 | 0 | 1 | 216 | 420 | 637 |
| 116 | 0 | 0 | 165 | 303 | 468 |
| 118 | 0 | 0 | 82 | 155 | 237 |
| 120 | 0 | 0 | 41 | 172 | 213 |
| 122 | 0 | 0 | 10 | 153 | 163 |
| 124 | 0 | 0 | 0 | 127 | 127 |
| 126 | 0 | 0 | 0 | 85 | 85 |
| 128 | 0 | 0 | 0 | 55 | 55 |
| 130 | 0 | 0 | 0 | 57 | 57 |
| 132 | 0 | 0 | 0 | 65 | 65 |
| 134 | 0 | 0 | 0 | 67 | 67 |
| 136 | 0 | 0 | 0 | 50 | 50 |
| 138 | 0 | 0 | 0 | 28 | 28 |
| 140 | 0 | 0 | 0 | 20 | 20 |
| 142 | 0 | 0 | 0 | 8 | 8 |
| 144 | 0 | 0 | 0 | 8 | 8 |
| 146 | 0 | 0 | 0 | 7 | 7 |
| 148 | 0 | 0 | 0 | 6 | 6 |
| 150 | 0 | 0 | 0 | 4 | 4 |
| 152 | 0 | 0 | 0 | 2 | 2 |
| 154 | 0 | 0 | 0 | 1 | 1 |
| TOT. | 13053 | 3051 | 102025 | 72394 | 190523 |
| PDS = | 72224. | 11225. | 829883. | 830473. | 1742925. |
| MOY. | 5.5 | 3.7 | 8.1 | 11.5 | 9.1 |

Tableau 12.- Fréquences de taille trimestrielles des patudos capturés par les senneurs FIS en 1992.

| | 1 | 2 | 3 | 4 | TOTAL |
|-------|----------|----------|----------|----------|----------|
| 32 | 821 | 614 | 1022 | 831 | 3288 |
| 34 | 2031 | 2173 | 1847 | 3509 | 9560 |
| 36 | 4713 | 10840 | 2676 | 12648 | 30877 |
| 38 | 7224 | 19228 | 3652 | 20497 | 50801 |
| 40 | 10063 | 21176 | 3746 | 19106 | 54091 |
| 42 | 11547 | 17910 | 2379 | 13204 | 45040 |
| 44 | 9827 | 12616 | 1197 | 8732 | 32372 |
| 46 | 33093 | 35333 | 3865 | 17422 | 89713 |
| 48 | 48098 | 51442 | 6921 | 18692 | 125153 |
| 50 | 38966 | 43816 | 7169 | 10780 | 100731 |
| 52 | 31647 | 37274 | 9717 | 12319 | 90957 |
| 54 | 20202 | 24507 | 16410 | 15728 | 76847 |
| 56 | 18210 | 19243 | 22898 | 22789 | 83140 |
| 58 | 16664 | 14899 | 20660 | 25145 | 77368 |
| 60 | 10248 | 8087 | 11215 | 19007 | 48557 |
| 62 | 5772 | 5702 | 4293 | 11339 | 27106 |
| 64 | 4303 | 4681 | 2109 | 7230 | 18331 |
| 66 | 5044 | 4318 | 1819 | 6934 | 18115 |
| 68 | 4510 | 2884 | 1089 | 4984 | 13467 |
| 70 | 4612 | 1546 | 571 | 3197 | 9926 |
| 72 | 4692 | 985 | 459 | 2367 | 8503 |
| 74 | 5547 | 1054 | 602 | 1848 | 9051 |
| 76 | 5528 | 1061 | 676 | 1388 | 8653 |
| 78 | 5490 | 1275 | 788 | 1454 | 9007 |
| 80 | 5041 | 1412 | 855 | 1435 | 8743 |
| 82 | 4114 | 1412 | 835 | 1247 | 7608 |
| 84 | 4095 | 1674 | 1089 | 1361 | 8219 |
| 86 | 3164 | 1609 | 1129 | 1194 | 7096 |
| 88 | 2688 | 1537 | 1292 | 1234 | 6751 |
| 90 | 1687 | 1106 | 1175 | 1025 | 4993 |
| 92 | 1422 | 907 | 1210 | 961 | 4500 |
| 94 | 1089 | 773 | 1228 | 853 | 3943 |
| 96 | 956 | 642 | 1184 | 666 | 3448 |
| 98 | 1052 | 639 | 1334 | 704 | 3729 |
| 100 | 908 | 495 | 1206 | 619 | 3228 |
| 102 | 1064 | 449 | 1125 | 787 | 3425 |
| 104 | 1045 | 326 | 811 | 799 | 2981 |
| 106 | 1188 | 369 | 731 | 863 | 3151 |
| 108 | 1082 | 406 | 651 | 815 | 2954 |
| 110 | 985 | 503 | 659 | 675 | 2822 |
| 112 | 941 | 690 | 764 | 603 | 2998 |
| 114 | 676 | 777 | 705 | 442 | 2600 |
| 116 | 472 | 734 | 593 | 389 | 2188 |
| 118 | 194 | 598 | 390 | 302 | 1484 |
| 120 | 109 | 552 | 372 | 363 | 1396 |
| 122 | 17 | 513 | 360 | 414 | 1304 |
| 124 | 5 | 374 | 315 | 378 | 1072 |
| 126 | 2 | 243 | 288 | 358 | 891 |
| 128 | 1 | 157 | 241 | 335 | 734 |
| 130 | 0 | 107 | 309 | 335 | 751 |
| 132 | 0 | 74 | 324 | 273 | 671 |
| 134 | 0 | 77 | 392 | 235 | 704 |
| 136 | 0 | 75 | 402 | 221 | 698 |
| 138 | 0 | 75 | 359 | 162 | 596 |
| 140 | 0 | 83 | 347 | 146 | 576 |
| 142 | 0 | 70 | 260 | 103 | 433 |
| 144 | 0 | 63 | 298 | 109 | 470 |
| 146 | 0 | 50 | 317 | 107 | 474 |
| 148 | 0 | 46 | 223 | 107 | 476 |
| 150 | 0 | 35 | 285 | 95 | 415 |
| 152 | 0 | 29 | 251 | 100 | 380 |
| 154 | 0 | 32 | 255 | 132 | 419 |
| 156 | 0 | 27 | 191 | 135 | 353 |
| 158 | 0 | 21 | 132 | 119 | 272 |
| 160 | 0 | 15 | 87 | 82 | 184 |
| 162 | 0 | 5 | 27 | 30 | 62 |
| 164 | 0 | 2 | 2 | 4 | 8 |
| TOT. | 342849 | 362447 | 153083 | 282475 | 1140854 |
| PDS - | 1728997. | 1493510. | 1243659. | 1481972. | 5948138. |
| MOY. | 5.0 | 4.1 | 8.1 | 5.2 | 5.2 |

Tableau 13: Nombre de poissons mesurés par espèces et par engin dans les ports de Dakar et d'Abidjan en 1992.

| | Canneur | Senneur | Total |
|----------|---------|---------|-------|
| Albacore | 1203 | 25081 | 26284 |
| Listao | 1052 | 30121 | 31173 |
| Patudo | 1009 | 5182 | 6190 |
| Germon | 0 | 592 | 592 |
| Autres | 0 | 5174 | 5174 |
| Total | 3263 | 76150 | 69413 |

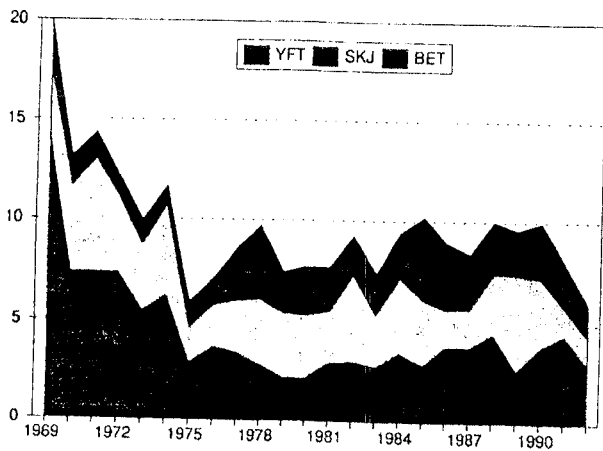


Fig. 1.- Prises par espèce des canneurs (FIS) de 1969 à 1992 (1000 t.)

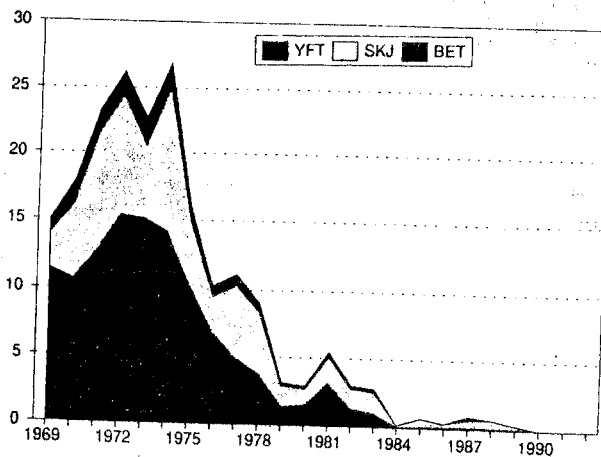


Fig. 3.- Prises par espèce des senneurs moyens FIS de 1969 à 1992 (1000 t.)

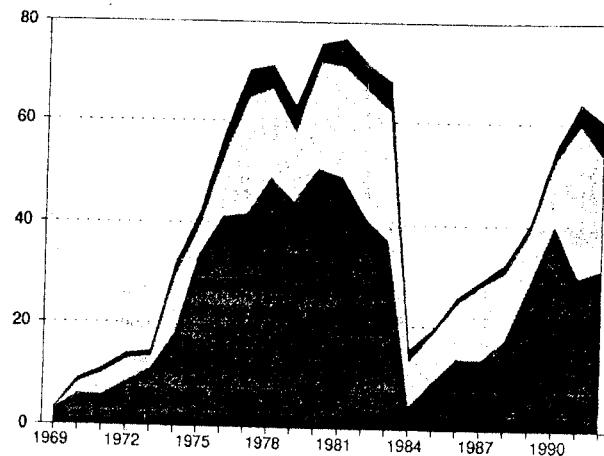


Fig. 5.- Prises par espèce des grands senneurs FIS de 1969 à 1992 (1000 t.)

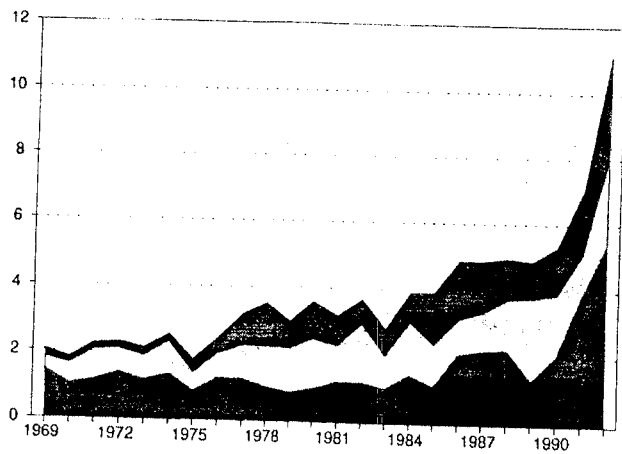


Fig. 2.- PUE (t/j) par espèce des canneurs FIS de 1969 à 1992.

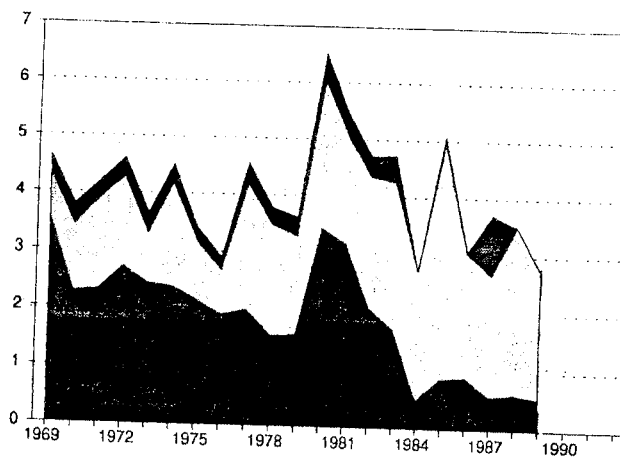


Fig. 4 PUE (t/j) par espèce des senneurs moyens FIS de 1969 à 1992.

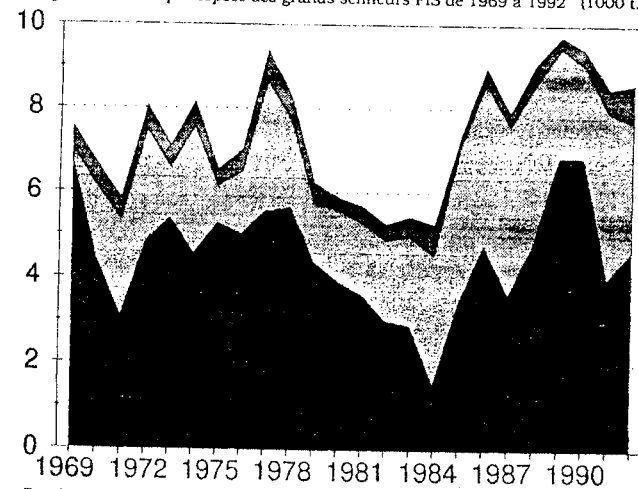


Fig. 6.- PUE (t/j) par espèce des grands senneurs FIS de 1969 à 1992.