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LES POISSONS PELAGIQUES COTIERS

AU SENEGAL :

Structure démographique des captures de sardinelles (1966 à 1969)
et de chinchard jaune (1969) des sardiniers dakarois



CENTRE DE RECHERCHES OCEANOGRAPHIQUES DE DAKAR - THIAROYE

INSTITUT SENEGALAIS DE RECHERCHES AGRICOLES *

ARCHIVE

N° 73

JUILLET 1979

STRUCTURE DEMOGRAPHIQUE DES CAPTURES DE SARDINELLES (1966 à 1969)
ET DE CHINCHARD JAUNE (1969) DES SARDINIERS DAKAROIS

par

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DE DAKAR-THIAROYE
(SENEGAL)

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REMERCIEMENTS

Les auteurs tiennent à exprimer tous leurs remerciements aux techniciens du CRODT qui ont effectué les mensurations des poissons, aux armements et aux mareyeurs qui ont permis des mesures ainsi qu'à Monsieur P. BERGERARD qui a participé à la mise en forme des données.

- l'écart type de la distribution de fréquences,
 - sa moyenne,
 - la liste de 44 classes centimétriques de taille : la valeur indiquée correspond à la borne inférieure de chaque classe (exemple : classe 7 cm, intervalle 7,00 à 7,99 cm); les mensurations ont été effectuées à la fourche (LF),
 - les fréquences en nombre dans les captures,
 - les mêmes fréquences exprimées en pourcentage.
- Sur les pages titres en couleur ont été indiqué pour l'espèce considérée :

- le poids total des captures mensuelles exprimé en quintaux (qx),
- le poids des captures n'ayant pu être associées à un échantillon,
- le pourcentage de ce poids par rapport à la capture totale,
- le ou les moules de ces captures non échantillonnées (et les poids correspondants éventuellement).

A l'aide du tableau ci-dessous il est possible d'estimer grossièrement la structure démographique de ces captures non échantillonnées.

| MOULE | MOYENNE (cm) | ETENDUE (écart type X 2) | TYPE DE DISTRIBUTION DE FREQUENCES DE TAILLES |
|-------|--------------|-----------------------------|---|
| 0 | inconnue | inconnue | inconnue |
| 1 | 14,0 à 16,0 | 8 cm | unimodal |
| 2 | 16,5 à 18,5 | 7 cm | unimodal |
| 3 | 17,0 à 25,0 | 20 cm | Plurimodal |
| 4 | 18,5 à 22,5 | 9 cm | unimodal |
| 5 | 23,0 à 25,5 | 8 cm | unimodal |
| 6 | 24,0 à 27,0 | 12 cm | bimodal |
| 7 | 27,0 à 30,5 | 10 cm | unimodal |
| 8 | 23,0 à 29,0 | 18 cm | plurimodal |
| 9 | > à 35 cm | > 10 cm | unimodal ou plurimod. |

- Tableau présentant les caractéristiques des différents moules des captures.

INTRODUCTION

Ce document présente la structure démographique des captures des sardinières dakaroises de 1966 à 1969 inclus. Seuls les débarquements au port de Dakar ont été pris en compte ; sont exclus les prises de la pêche artisanale, des thoniers faisant l'appât et des bateaux étrangers non basés à Dakar. Les distributions de fréquences de taille sont présentées pour les trois espèces principales :

- Sardinelle ronde (Sardinella aurita), de 1966 à 1969
- Sardinelle plate (Sardinella maderensis = S. leba) de 1966 à 1969
- Chinchard jaune (Caranx rhynchus) pour 1969 seulement, les données de mensurations antérieures étant trop peu nombreuses.

Les résultats obtenus sont exploités pour les études de biologie et de dynamique des populations, ils ont fait ou feront l'objet de publications. Il en est de même des données d'effort de pêche et de rendements correspondants à cette période.

PRESENTATION DES RESULTATS.

Des mensurations ont été faites au port de Dakar lors des débarquements. Généralement plusieurs échantillons de 50 à 150 individus étaient mesurés au cours de chaque quinzaine pour les principales espèces débarquées.

L'extrapolation du nombre de poissons dans l'échantillon au nombre de poissons dans les captures a été effectuée en utilisant comme facteur d'extrapolation le rapport entre le poids des prises de la quinzaine attribuées à l'échantillon et le poids de cet échantillon (poids calculé d'après les relations tailles-poids). L'attribution des prises à un échantillon donné a été effectuée d'après le calibre ou moule du poisson tel qu'il est indiqué par les patrons de pêche lors des débarquements.

Les résultats ont été ensuite regroupés par mois pour chaque espèce et présentés sous la forme de tableaux sur lesquels figurent :

ANNEE 1966

SARDINELLE RONDE
(Sardinella aurita)
1966

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|-------|--------|
| | | POIDS (Qx) | % | MOULES |
| JANVIER | 4 860 | 220 | 4,53 | 1 |
| FEVRIER | 3 760 | 180 | 4,79 | 0 |
| MARS | 7 290 | 200 | 2,74 | 1 |
| AVRIL | 7 060 | - | - | - |
| MAI | 6 600 | - | - | - |
| JUIN | 1 680 | - | - | - |
| JUILLET | 1 780 | - | - | - |
| AOUT | 1 470 | - | - | - |
| SEPTEMBRE | 2 010 | - | - | - |
| OCTOBRE | 2 910 | - | - | - |
| NOVEMBRE | 2 060 | 120 | 5,83 | 1 |
| DECEMBRE | 990 | 310 | 31,31 | 1 |
| TOTAL | 4 247 | 640 | 15,07 | |

SARDINELLA AUFITA

VARIANCE: 24.86 ECART TYPE: 4.99 TAILLE MOYENNE: 23.2

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 5100 | 0.23 |
| 15 | 17700 | 0.80 |
| 16 | 79500 | 3.60 |
| 17 | 253000 | 11.49 |
| 18 | 323000 | 14.62 |
| 19 | 329900 | 14.94 |
| 20 | 93200 | 4.22 |
| 21 | 35200 | 1.59 |
| 22 | 50600 | 2.29 |
| 23 | 23600 | 1.07 |
| 24 | 2200 | 0.10 |
| 25 | 6500 | 0.29 |
| 26 | 67200 | 3.04 |
| 27 | 224900 | 10.18 |
| 28 | 385700 | 17.46 |
| 29 | 234200 | 10.60 |
| 30 | 72400 | 3.28 |
| 31 | 3900 | 0.18 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2208000 | 100.0 |

SARDINELLA AUFITA

VARIANCE: 9.06 ECART TYPE: 3.01 TAILLE MOYENNE: 18.8

| LF | FREQUENCE | % FRIG. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 6400 | 0.14 |
| 12 | 9500 | 0.21 |
| 13 | 22300 | 0.48 |
| 14 | 68500 | 1.48 |
| 15 | 198400 | 4.29 |
| 16 | 590300 | 12.78 |
| 17 | 933900 | 20.21 |
| 18 | 1426400 | 30.87 |
| 19 | 741600 | 16.05 |
| 20 | 220500 | 4.77 |
| 21 | 56200 | 1.22 |
| 22 | 5400 | 0.12 |
| 23 | 10000 | 0.22 |
| 24 | 0 | C.0 |
| 25 | 0 | C.0 |
| 26 | 40600 | 0.88 |
| 27 | 69600 | 1.51 |
| 28 | 127600 | 2.76 |
| 29 | 81200 | 1.76 |
| 30 | 11600 | 0.25 |
| 31 | 0 | C.0 |
| 32 | 0 | C.0 |
| 33 | 0 | C.0 |
| 34 | 0 | C.0 |
| 35 | 0 | C.0 |
| 36 | 0 | C.0 |
| 37 | 0 | C.0 |
| 38 | 0 | C.0 |
| 39 | 0 | C.0 |
| 40 | 0 | C.0 |
| 41 | 0 | C.C |
| 42 | 0 | C.0 |
| 43 | 0 | C.0 |
| 44 | 0 | C.0 |
| 45 | 0 | C.0 |
| 46 | 0 | C.0 |
| 47 | 0 | C.0 |
| 48 | 0 | C.0 |
| 49 | 0 | C.C |
| 50 | 0 | C.0 |
| TOTAL | 4620000 | 100.0 |

SARDINELLA AURITA

VARIANCE: 2.32 ECART TYPE: 1.52 TAILLE MOYENNE: 18.2

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 134200 | 1.52 |
| 14 | 290400 | 3.29 |
| 15 | 430700 | 4.88 |
| 16 | 674900 | 7.64 |
| 17 | 1335800 | 15.13 |
| 18 | 3192500 | 36.16 |
| 19 | 2137700 | 24.21 |
| 20 | 541300 | 6.13 |
| 21 | 79700 | 0.90 |
| 22 | 11100 | 0.13 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 8828300 | 100.0 |

SARDINELLA AURITA

VARIANCE: 3.62 ECART TYPE: 1.90 TAILLE MOYENNE: 19.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 5000 | C.C8 |
| 11 | 30000 | C.45 |
| 12 | 125000 | 1.90 |
| 13 | 107600 | 1.63 |
| 14 | 25900 | C.39 |
| 15 | 13000 | C.20 |
| 16 | 71100 | 1.08 |
| 17 | 347500 | 5.27 |
| 18 | 1039100 | 15.76 |
| 19 | 2659500 | 40.32 |
| 20 | 1635000 | 24.79 |
| 21 | 393000 | 5.96 |
| 22 | 90600 | 1.37 |
| 23 | 10600 | C.16 |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 2400 | C.C4 |
| 27 | 9600 | C.15 |
| 28 | 15000 | C.23 |
| 29 | 10800 | C.16 |
| 30 | 3600 | 0.05 |
| 31 | 600 | C.01 |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 6594900 | 100.C |

SARDINELLA AURITA

VARIANCE: 11.16 ECART TYPE: 3.34 TAILLE MOYENNE: 20.0

| LF | FREQUENCE | % FRIG. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 800 | 0.02 |
| 14 | 49500 | 0.95 |
| 15 | 309400 | 5.92 |
| 16 | 346800 | 6.63 |
| 17 | 693100 | 13.26 |
| 18 | 778500 | 14.89 |
| 19 | 852400 | 16.31 |
| 20 | 877600 | 16.79 |
| 21 | 487700 | 9.33 |
| 22 | 193500 | 3.70 |
| 23 | 134600 | 2.57 |
| 24. | 30500 | 0.58 |
| 25 | 5200 | 0.10 |
| 26 | 27200 | 0.52 |
| 27 | 108000 | 2.07 |
| 28 | 174700 | 3.34 |
| 29 | 116400 | 2.23 |
| 30 | 35400 | 0.68 |
| 31 | 5900 | 0.11 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 5227200 | 100.0 |

SARDINELLA AURITA

VARIANCE: 5.42 ECART TYPE: 2.33 TAILLE MOYENNE: 22.6

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 1600 | 0.15 |
| 15 | 5600 | 0.53 |
| 16 | 8000 | 0.76 |
| 17 | 5600 | 0.53 |
| 18 | 12000 | 1.14 |
| 19 | 57700 | 5.47 |
| 20 | 133500 | 12.66 |
| 21 | 177700 | 16.85 |
| 22 | 261900 | 24.83 |
| 23 | 231300 | 21.93 |
| 24 | 61100 | 5.79 |
| 25 | 24700 | 2.34 |
| 26 | 7000 | 0.66 |
| 27 | 16000 | 1.52 |
| 28 | 25900 | 2.46 |
| 29 | 18000 | 1.71 |
| 30 | 6000 | 0.57 |
| 31 | 1000 | 0.69 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1054600 | 100.0 |

SARDINELLA AURITA

VARIANCE: 1.11 ECART TYPE: 1.05 TAILLE MOYENNE: 21.9

| LF | FREQUENCE | % FFIC. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 5000 | C.40 |
| 19 | 35500 | 2.85 |
| 20 | 208300 | 16.71 |
| 21 | 399600 | 32.66 |
| 22 | 418200 | 33.55 |
| 23 | 170400 | 13.67 |
| 24. | 9500 | 0.76 |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1246500 | 100.C |

SARDINELLA AURITA

VARIANCE: 1.27 ECART TYPE: 1.13 TAILLE MOYENNE: 21.3

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 15800 | 1.46 |
| 19 | 111300 | 10.25 |
| 20 | 324500 | 29.89 |
| 21 | 326600 | 30.08 |
| 22 | 239200 | 22.03 |
| 23 | 68300 | 6.29 |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1085700 | 100.C |

SARDINELLA AURITA

VARIANCE: 1.35 ECART TYPE: 1.16 TAILLE MOYENNE: 21.3

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 0 | C.C |
| 19 | 142800 | 10.69 |
| 20 | 482800 | 36.13 |
| 21 | 381200 | 28.53 |
| 22 | 175400 | 13.13 |
| 23 | 151500 | 11.34 |
| 24 | 2500 | 0.19 |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1336200 | 100.C |

SARDINELLA AUFITA

VARIANCE: 0.98 ECART TYPE: 0.99 TAILLE MOYENNE: 21.1

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 13200 | 6.63 |
| 19 | 216700 | 10.31 |
| 20 | 832300 | 39.60 |
| 21 | 625500 | 29.76 |
| 22 | 358700 | 17.66 |
| 23 | 55600 | 2.65 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2102000 | 100.0 |

SARDINELLA AURITA

VARIANCE: 0.94 ECART TYPE: 0.97 TAILLE MOYENNE: 21.3

| LF | FREQUENCE | % FFREQ. |
|-------|-----------|----------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 2800 | C.20 |
| 19 | 121500 | 8.57 |
| 20 | 431500 | 30.43 |
| 21 | 538100 | 37.94 |
| 22 | 280100 | 19.75 |
| 23 | 44200 | 3.12 |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1418200 | 100.C |

SARDINELLA AURITA

VARIANCE: 0.98 ECART TYPE: 0.99 TAILLE MOYENNE: 21.3

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 9200 | 2.05 |
| 19 | 33600 | 7.47 |
| 20 | 94600 | 21.03 |
| 21 | 205300 | 45.75 |
| 22 | 95200 | 21.16 |
| 23 | 11400 | 2.53 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 449800 | 100.0 |

SARDINELLA AURITA

VARIANCE: 8.11 ECART TYPE: 2.85 TAILLE MOYENNE: 19.9

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 5000 | 0.01 |
| 11 | 36400 | 0.10 |
| 12 | 134500 | 0.37 |
| 13 | 264900 | 0.73 |
| 14 | 441000 | 1.22 |
| 15 | 974800 | 2.69 |
| 16 | 1770600 | 4.85 |
| 17 | 3569700 | 9.87 |
| 18 | 6817500 | 18.85 |
| 19 | 7440200 | 20.57 |
| 20 | 5875100 | 16.24 |
| 21 | 3706300 | 10.25 |
| 22 | 2179900 | 6.03 |
| 23 | 911500 | 2.52 |
| 24 | 105300 | 0.29 |
| 25 | 36400 | 0.10 |
| 26 | 144400 | 0.40 |
| 27 | 428100 | 1.18 |
| 28 | 728900 | 2.02 |
| 29 | 460600 | 1.27 |
| 30 | 129000 | 0.36 |
| 31 | 11400 | 0.03 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 36172000 | 100.0 |

SARDINELLE PLATE
 (Sardinella maderensis = S. eba)
 1966

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|------|--------|
| | | POIDS (Qx) | % | MOULES |
| JANVIER | 180 | | | |
| FEVRIER | 280 | | | |
| MARS | 2 460 | 200 | 8,13 | 1 |
| AVRIL | 360 | 20 | 5,56 | 0 |
| MAI | 1 320 | | | |
| JUIN | 2 910 | | | |
| JUILLET | 5 040 | | | |
| AOUT | 2 010 | | | |
| SEPTEMBRE | 3 740 | | | |
| OCTOBRE | 1 680 | | | |
| NOVEMBRE | 860 | 70 | 8,14 | 1 |
| DECEMBRE | 1 140 | | | |
| TOTAL | 21 980 | 290 | 1,32 | |

SARDINELLA EBA

VARIANCE: 1.15 ECART TYPE: 1.07 TAILLE MOYENNE: 14.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 13800 | 3.16 |
| 12 | 29900 | 6.84 |
| 13 | 92000 | 21.65 |
| 14 | 161000 | 36.84 |
| 15 | 133400 | 30.53 |
| 16 | 4600 | 1.05 |
| 17 | 2300 | 0.53 |
| 18 | 0 | 0.0 |
| 19 | 0 | 0.0 |
| 20 | 0 | 0.0 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 437000 | 100.0 |

MOIS DE FEVRIER

1966

SARDINELLA FBA

VARIANCE: 2.04 ECART TYPE: 1.43 TAILLE MOYENNE: 13.9

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 13200 | 1.98 |
| 11 | 48700 | 7.31 |
| 12 | 131700 | 19.76 |
| 13 | 162300 | 24.35 |
| 14 | 134600 | 20.19 |
| 15 | 143900 | 21.59 |
| 16 | 30400 | 4.56 |
| 17 | 1800 | 0.27 |
| 18 | 0 | 0.0 |
| 19 | 0 | 0.0 |
| 20 | 0 | 0.0 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 666600 | 100.0 |

SARDINELLA EBA

VARIANCE: 1.27 ECART TYPE: 1.13 TAILLE MOYENNE: 14.7

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 12000 | C.25 |
| 11 | 61100 | 1.26 |
| 12 | 235500 | 4.84 |
| 13 | 870500 | 17.89 |
| 14 | 1733800 | 35.64 |
| 15 | 1425900 | 29.31 |
| 16 | 469600 | 9.65 |
| 17 | 56300 | 1.16 |
| 18 | 0 | C.C |
| 19 | 0 | C.C |
| 20 | 0 | C.C |
| 21 | 0 | C.C |
| 22 | 0 | C.C |
| 23 | 0 | C.C |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 4864700 | 100.C |

SARDINELLA - EBA

VARIANCE: 3.28 ECART TYPE: 1.81 TAILLE MOYENNE: 13.6

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 5900 | 0.61 |
| 11 | 159700 | 16.42 |
| 12 | 354800 | 36.47 |
| 13 | 135000 | 13.88 |
| 14 | 95300 | 9.80 |
| 15 | 75500 | 7.76 |
| 16 | 85100 | 8.75 |
| 17 | 61500 | 6.32 |
| 18 | 0 | 0.0 |
| 19 | 0 | 0.0 |
| 20 | 0 | 0.0 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 972800 | 100.0 |

SARDINELLA EBA

VARIANCE: 3.52 ECART TYPE: 1.88 TAILLE MOYENNE: 14.2

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 3000 | 0.10 |
| 12 | 498300 | 15.91 |
| 13 | 1665800 | 53.20 |
| 14 | 395100 | 12.62 |
| 15 | 235100 | 7.51 |
| 16 | 127100 | 4.06 |
| 17 | 38400 | 1.23 |
| 18 | 36500 | 1.17 |
| 19 | 11000 | 0.35 |
| 20 | 43500 | 1.39 |
| 21 | 62000 | 1.98 |
| 22 | 11500 | 0.37 |
| 23 | 0 | 0.0 |
| 24 | 4000 | 0.13 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3131300 | 100.0 |

SARDINELLA EBA

VARIANCE: 4.18 ECART TYPE: 2.04 TAILLE MOYENNE: 20.5

| LF | FREQUENCE | % FIG. |
|-------|-----------|--------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 1300 | 0.06 |
| 11 | 2600 | 0.13 |
| 12 | 15600 | 0.77 |
| 13 | 50700 | 2.51 |
| 14 | 27300 | 1.35 |
| 15 | 10400 | 0.51 |
| 16 | 6500 | 0.32 |
| 17 | 15400 | 0.76 |
| 18 | 73900 | 3.66 |
| 19 | 299900 | 14.84 |
| 20 | 673800 | 33.35 |
| 21 | 501700 | 24.83 |
| 22 | 249900 | 12.37 |
| 23 | 61800 | 3.06 |
| 24. | 29700 | 1.47 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2020500 | 100.0 |

SARDINELLA EBA

VARIANCE: 1.54 ECART TYPE: 1.24 TAILLE MOYENNE: 20.1

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 62600 | 1.62 |
| 18 | 713900 | 18.43 |
| 19 | 1185800 | 30.61 |
| 20 | 972100 | 25.10 |
| 21 | 670100 | 17.30 |
| 22 | 224600 | 5.80 |
| 23 | 44400 | 1.15 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3873500 | 100.0 |

SARDINELLA EBA

VARIANCE: 0.75 ECART TYPE: 0.87 TAILLE MOYENNE: 18.7

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 2000 | 0.10 |
| 17 | 356300 | 17.49 |
| 18 | 1003600 | 49.26 |
| 19 | 557700 | 27.31 |
| 20 | 83100 | 4.08 |
| 21 | 24900 | 1.22 |
| 22 | 9800 | 0.48 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2037400 | 100.0 |

SARDINELLA E8A

VARIANCE: 1.41 ECART TYPE: 1.19 TAILLE MOYENNE: 19.2

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 6300 | 0.20 |
| 15 | 0 | 0.0 |
| 16 | 14500 | 0.45 |
| 17 | 433400 | 13.50 |
| 18 | 987300 | 30.79 |
| 19 | 1019500 | 31.75 |
| 20 | 548400 | 17.68 |
| 21 | 156500 | 4.87 |
| 22 | 25100 | 0.78 |
| 23 | 14100 | 0.44 |
| 24 | 5600 | 0.17 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3210700 | 100.0 |

SARDINELLA EBA

VARIANCE: 2.26 ECART TYPE: 1.50 TAILLE MOYENNE: 19.6

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 88400 | 5.56 |
| 18 | 485000 | 32.71 |
| 19 | 481900 | 32.51 |
| 20 | 258700 | 17.45 |
| 21 | 61600 | 4.16 |
| 22 | 19600 | 1.32 |
| 23 | 49100 | 3.31 |
| 24 | 28300 | 1.91 |
| 25 | 9900 | C.67 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1482500 | 100.C |

SARDINELLA EBA

VARIANCE: 1.18 ECART TYPE: 1.09 TAILLE MOYENNE: 21.0

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 6900 | 1.30 |
| 19 | 71400 | 13.47 |
| 20 | 208200 | 39.27 |
| 21 | 155300 | 29.29 |
| 22 | 66200 | 12.49 |
| 23 | 15200 | 2.87 |
| 24 | 6700 | 1.26 |
| 25 | 300 | 0.06 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 530200 | 100.0 |

SARDINELLA EBA

VARIANCE: 8.57 ECART TYPE: 2.93 TAILLE MOYENNE: 17.7

| LF | FREQUENCE | % FFEC. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 36500 | 2.89 |
| 13 | 94900 | 7.52 |
| 14 | 175200 | 13.88 |
| 15 | 226300 | 17.92 |
| 16 | 72700 | 5.76 |
| 17 | 21600 | 1.71 |
| 18 | 7000 | 0.55 |
| 19 | 238000 | 18.85 |
| 20 | 245600 | 19.45 |
| 21 | 116200 | 9.20 |
| 22 | 19000 | 1.50 |
| 23 | 7600 | 0.60 |
| 24 | 1900 | 0.15 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1262500 | 100.0 |

SARDINELLA EBA

VARIANCE: 9.35 ECAPT TYPE: 3.06 TAILLE MOYENNE: 17.4

| LF | FREQUENCE | % FREQ. |
|--------------|-----------------|--------------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 32400 | 0.13 |
| 11 | 288500 | 1.18 |
| 12 | 1302300 | 5.32 |
| 13 | 3071200 | 12.54 |
| 14 | 2728600 | 11.14 |
| 15 | 2250500 | 9.19 |
| 16 | 812500 | 3.32 |
| 17 | 1138000 | 4.65 |
| 18 | 3314100 | 13.53 |
| 19 | 3865200 | 15.78 |
| 20 | 3033400 | 12.39 |
| 21 | 1748300 | 7.14 |
| 22 | 625700 | 2.55 |
| 23 | 192200 | 0.78 |
| 24 | 76200 | 0.31 |
| 25 | 10200 | 0.04 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TCTAL | 24489700 | 100.0 |

ANNEE 1967

SARDINELLE RONDE
(Sardinella aurita)
 1967

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|---|--------|
| | | POIDS (Qx) | % | MOULES |
| JANVIER | 3 910 | | | |
| FEVRIER | 2 170 | | | |
| MARS | 1 390 | | | |
| AVRIL | 3 835 | | | |
| MAI | 6 200 | | | |
| JUIN | 6 670 | | | |
| JUILLET | 310 | | | |
| AOUT | 2 000 | | | |
| SEPTEMBRE | 1 905 | | | |
| OCTOBRE | 3 245 | | | |
| NOVEMBRE | 1 850 | | | |
| DECEMBRE | 540 | | | |
| TOTAL | 34 025 | o | o | |

SARDINELLA AURITA

VARIANCE: 15.75 ECART TYPE: 3.97 TAILLE MOYENNE: 19.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 2000 | 0.06 |
| 13 | 434500 | 14.11 |
| 14 | 281000 | 9.13 |
| 15 | 208500 | 6.77 |
| 16 | 52500 | 1.70 |
| 17 | 500 | 0.02 |
| 18 | 26000 | 0.84 |
| 19 | 66000 | 2.14 |
| 20 | 149200 | 4.85 |
| 21 | 464300 | 15.08 |
| 22 | 982600 | 31.91 |
| 23 | 297800 | 9.67 |
| 24 | 23200 | 0.75 |
| 25 | 6700 | 0.22 |
| 26 | 19700 | 0.64 |
| 27 | 40000 | 1.30 |
| 28 | 16900 | 0.55 |
| 29 | 2600 | 0.08 |
| 30 | 5400 | 0.18 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3079400 | 100.0 |

SARDINELLA AURITA

VARIANCE: 6.60 ECART TYPE: 2.57 TAILLE MOYENNE: 15.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 10000 | 0.26 |
| 10 | 53700 | 1.37 |
| 11 | 177100 | 4.53 |
| 12 | 203000 | 5.20 |
| 13 | 487300 | 12.47 |
| 14 | 745500 | 19.08 |
| 15 | 614900 | 15.74 |
| 16 | 457900 | 11.72 |
| 17 | 350600 | 8.97 |
| 18 | 318300 | 8.15 |
| 19 | 263000 | 6.73 |
| 20 | 104300 | 2.67 |
| 21 | 55600 | 1.42 |
| 22 | 46300 | 1.18 |
| 23 | 19700 | 0.50 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3907200 | 100.0 |

SARDINELLA AURITA

VARIANCE: 9.46 ECART TYPE: 3.08 TAILLE MOYENNE: 16.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 19300 | 1.04 |
| 11 | 82300 | 4.44 |
| 12 | 236100 | 12.74 |
| 13 | 188900 | 10.19 |
| 14 | 119900 | 6.47 |
| 15 | 160500 | 8.66 |
| 16 | 225900 | 12.19 |
| 17 | 158100 | 8.53 |
| 18 | 163100 | 8.80 |
| 19 | 224600 | 12.12 |
| 20 | 179400 | 9.68 |
| 21 | 63000 | 3.40 |
| 22 | 13900 | 0.75 |
| 23 | 18200 | 0.98 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1853200 | 100.0 |

SARDINELLA AURITA

VARIANCE: 17.32 ECART TYPE: 4.16 TAILLE MOYENNE: 19.3

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 24000 | 0.74 |
| 12 | 231000 | 7.11 |
| 13 | 187700 | 5.78 |
| 14 | 106400 | 3.27 |
| 15 | 99500 | 3.06 |
| 16 | 242000 | 7.46 |
| 17 | 305500 | 9.40 |
| 18 | 288300 | 8.87 |
| 19 | 316100 | 9.73 |
| 20 | 391800 | 12.06 |
| 21 | 514300 | 15.82 |
| 22 | 181500 | 5.58 |
| 23 | 57500 | 1.77 |
| 24 | 13300 | 0.41 |
| 25 | 17300 | 0.53 |
| 26 | 53200 | 1.64 |
| 27 | 39300 | 1.21 |
| 28 | 67300 | 2.07 |
| 29 | 72700 | 2.24 |
| 30 | 35100 | 1.08 |
| 31 | 5600 | 0.17 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3250000 | 100.0 |

SARDINELLA AURITA

VARIANCE: 19.56 ECART TYPE: 4.42 TAILLE MOYENNE: 24.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | 0.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | 0.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 7000 | C.32 |
| 15 | 80500 | 3.63 |
| 16 | 87500 | 3.95 |
| 17 | 66500 | 3.60 |
| 18 | 98000 | 4.42 |
| 19 | 126000 | 5.89 |
| 20 | 52500 | 2.37 |
| 21 | 41000 | 1.85 |
| 22 | 108500 | 4.90 |
| 23 | 245500 | 11.08 |
| 24 | 261000 | 11.78 |
| 25 | 114400 | 5.16 |
| 26 | 78700 | 3.55 |
| 27 | 208300 | 9.40 |
| 28 | 242500 | 10.95 |
| 29 | 212600 | 9.60 |
| 30 | 148400 | 6.70 |
| 31 | 32000 | 1.44 |
| 32 | 4300 | C.19 |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | 0.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 2215200 | 100.C |

SARDINELLA AURITA

VARIANCE: 20.36 ECART TYPE: 4.51 TAILLE MOYENNE: 22.6

| LF | FREQUENCE | % FFIC. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 1700 | C.06 |
| 13 | 0 | 0.C |
| 14 | 0 | C.C |
| 15 | 39300 | 1.35 |
| 16 | 178600 | 6.14 |
| 17 | 243300 | 8.36 |
| 18 | 144200 | 4.95 |
| 19 | 321000 | 11.03 |
| 20 | 321200 | 11.04 |
| 21 | 311800 | 10.71 |
| 22 | 350200 | 12.03 |
| 23 | 189300 | 6.50 |
| 24 | 84500 | 2.90 |
| 25 | 18500 | C.64 |
| 26 | 10500 | C.36 |
| 27 | 40800 | 1.40 |
| 28 | 105100 | 3.61 |
| 29 | 283800 | 9.75 |
| 30 | 198400 | 6.82 |
| 31 | 62000 | 2.13 |
| 32 | 6200 | C.21 |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | 0.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 2910400 | 100.C |

SARDINELLA AURITA

VARIANCE: 4.56 ECART TYPE: 2.14 TAILLE MOYENNE: 19.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 4800 | 1.75 |
| 16 | 36000 | 13.16 |
| 17 | 62400 | 22.81 |
| 18 | 14400 | 5.26 |
| 19 | 16800 | 6.14 |
| 20 | 43200 | 15.79 |
| 21 | 64800 | 23.68 |
| 22 | 31200 | 11.40 |
| 23 | 0 | C.C |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 273600 | 100.C |

SARDINELLA AURITA

VARIANCE: 1.61 ECART TYPE: 1.27 TAILLE MOYENNE: 21.1

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 2000 | 0.14 |
| 16 | 0 | C.C |
| 17 | 14900 | 1.03 |
| 18 | 96900 | 6.71 |
| 19 | 162700 | 11.26 |
| 20 | 301100 | 20.84 |
| 21 | 568100 | 39.32 |
| 22 | 250400 | 17.33 |
| 23 | 44400 | 3.07 |
| 24 | 4300 | 0.30 |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1444800 | 100.C |

SARDINELLA AURITA

VARIANCE: 1.32 ECART TYPE: 1.15 TAILLE MOYENNE: 21.1

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 4200 | 0.32 |
| 16 | 6100 | 0.47 |
| 17 | 0 | 0.0 |
| 18 | 39700 | 3.07 |
| 19 | 125700 | 9.71 |
| 20 | 336400 | 25.57 |
| 21 | 518200 | 40.01 |
| 22 | 229600 | 17.73 |
| 23 | 35300 | 2.73 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1295200 | 100.0 |

SARDINELLA AGRITA

VARIANCE: 2.94 ECART TYPE: 1.71 TAILLE MOYENNE: 20.6

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 1500 | 0.06 |
| 13 | 0 | 0.0 |
| 14 | 16500 | 0.65 |
| 15 | 18000 | 0.71 |
| 16 | 67200 | 2.66 |
| 17 | 46100 | 1.83 |
| 18 | 145700 | 5.77 |
| 19 | 380400 | 15.07 |
| 20 | 584000 | 23.13 |
| 21 | 869500 | 34.44 |
| 22 | 339800 | 13.46 |
| 23 | 53100 | 2.10 |
| 24 | 3100 | 0.12 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2524900 | 100.0 |

SARDINELLA AURITA

VARIANCE: 1.09 ECART TYPE: 1.04 TAILLE MOYENNE: 21.8

| LF | FFREQUENCE | % FREQ. |
|-------|------------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 7400 | 0.57 |
| 19 | 37000 | 2.84 |
| 20 | 251600 | 19.32 |
| 21 | 414400 | 31.82 |
| 22 | 458800 | 35.23 |
| 23 | 118400 | 9.69 |
| 24. | 14800 | 1.14 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1302400 | 100.0 |

SARDINELLA AUFITA

VARIANCE: 2.35 ECART TYPE: 1.53 TAILLE MOYENNE: 12.7

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 2500 | 0.19 |
| 8 | 35000 | 2.45 |
| 9 | 52500 | 3.97 |
| 10 | 81000 | 6.12 |
| 11 | 138000 | 10.44 |
| 12 | 401000 | 30.34 |
| 13 | 393500 | 29.78 |
| 14 | 170500 | 12.90 |
| 15 | 39000 | 2.95 |
| 16 | 6000 | 0.45 |
| 17 | 0 | 0.0 |
| 18 | 2500 | 0.19 |
| 19 | 0 | 0.0 |
| 20 | 0 | 0.0 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1321500 | 100.0 |

SARDINELLA AURITA

VARIANCE: 19.79 ECART TYPE: 4.45 TAILLE MOYENNE: 19.6

| LF | FREQUENCE | % FREQ. |
|--------------|-----------------|--------------|
| 7 | 2500 | 0.01 |
| 8 | 35000 | 0.14 |
| 9 | 62500 | 0.25 |
| 10 | 154000 | 0.61 |
| 11 | 421400 | 1.66 |
| 12 | 1076300 | 4.24 |
| 13 | 1691900 | 6.67 |
| 14 | 1446800 | 5.70 |
| 15 | 1271200 | 5.01 |
| 16 | 1360300 | 5.36 |
| 17 | 1247900 | 4.92 |
| 18 | 1344500 | 5.30 |
| 19 | 2039300 | 8.04 |
| 20 | 2714700 | 10.70 |
| 21 | 3885000 | 15.31 |
| 22 | 2992800 | 11.79 |
| 23 | 1079200 | 4.25 |
| 24 | 401410 | 1.58 |
| 25 | 156900 | 0.62 |
| 26 | 162100 | 0.64 |
| 27 | 328400 | 1.29 |
| 28 | 431800 | 1.70 |
| 29 | 571700 | 2.25 |
| 30 | 387300 | 1.53 |
| 31 | 99600 | 0.39 |
| 32 | 10500 | 0.04 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 25377800 | 100.0 |

SARDINELLE PLATE
 (Sardinella maderensis = S. eba)
 - 1967 -

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|---|--------|
| | | POIDS (Qx) | % | MOULES |
| JANVIER | 1 500 | | | |
| FEVRIER | 3 150 | | | |
| MARS | 775 | | | |
| AVRIL | 3 575 | | | |
| MAI | 850 | | | |
| JUIN | 1 380 | | | |
| JUILLET | 170 | | | |
| AOUT | 2 700 | | | |
| SEPTEMBRE | 2 300 | | | |
| OCTOBRE | 570 | | | |
| NOVEMBRE | 670 | | | |
| DECEMBRE | 500 | | | |
| TOTAL | 18 140 | o | o | |

SARDINELLA EBA

VARIANCE: 4.76 ECART TYPE: 2.18 TAILLE MOYENNE: 15.2

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 69500 | 3.06 |
| 12 | 186400 | 8.20 |
| 13 | 436200 | 19.18 |
| 14 | 647500 | 28.47 |
| 15 | 290400 | 12.77 |
| 16 | 124800 | 5.49 |
| 17 | 153700 | 6.76 |
| 18 | 169100 | 7.43 |
| 19 | 154600 | 6.80 |
| 20 | 42200 | 1.86 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2274400 | 100.0 |

SARDINELLA EBA

VARIANCE: 5.46 ECART TYPE: 2.34 TAILLE MOYENNE: 13.0

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 85200 | 1.11 |
| 9 | 954300 | 12.42 |
| 10 | 767100 | 9.98 |
| 11 | 638900 | 8.31 |
| 12 | 1173900 | 15.28 |
| 13 | 1391600 | 18.11 |
| 14 | 1010400 | 13.15 |
| 15 | 923100 | 12.01 |
| 16 | 546400 | 7.11 |
| 17 | 83100 | 1.08 |
| 18 | 15200 | C.20 |
| 19 | 58900 | C.77 |
| 20 | 27900 | C.36 |
| 21 | 0 | C.C |
| 22 | 3900 | C.C5 |
| 23 | 3900 | C.C5 |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 7683800 | 100.0 |

SARDINELLA EBA

VARIANCE: 2.87 ECART TYPE: 1.69 TAILLE MOYENNE: 14.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 12700 | 0.97 |
| 10 | 32200 | 2.45 |
| 11 | 94200 | 7.16 |
| 12 | 128000 | 9.73 |
| 13 | 174400 | 13.26 |
| 14 | 274400 | 20.87 |
| 15 | 400800 | 30.48 |
| 16 | 162200 | 12.34 |
| 17 | 30800 | 2.34 |
| 18 | 5200 | 0.40 |
| 19 | 0 | 0.0 |
| 20 | 0 | 0.0 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1314900 | 100.0 |

SARDINELLA EBA

VARIANCE: 3.93 ECART TYPE: 1.98 TAILLE MOYENNE: 14.9

| LF | FREQUENCE | % FRIG. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 6000 | 0.11 |
| 10 | 55900 | 1.04 |
| 11 | 263000 | 4.87 |
| 12 | 376400 | 6.97 |
| 13 | 1020800 | 18.90 |
| 14 | 1107700 | 20.51 |
| 15 | 1099700 | 20.36 |
| 16 | 959300 | 17.76 |
| 17 | 336300 | 6.23 |
| 18 | 38500 | 0.71 |
| 19 | 0 | 0.0 |
| 20 | 15000 | 0.28 |
| 21 | 59400 | 1.10 |
| 22 | 43200 | 0.80 |
| 23 | 17900 | 0.33 |
| 24 | 900 | 0.02 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 5400000 | 100.0 |

SARDINELLA EBA

VARIANCE: 7.63 ECART TYPE: 2.76 TAILLE MOYENNE: 17.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 4200 | 0.57 |
| 13 | 21000 | 2.84 |
| 14 | 78400 | 10.60 |
| 15 | 137200 | 18.54 |
| 16 | 120400 | 16.27 |
| 17 | 113400 | 15.33 |
| 18 | 32200 | 4.35 |
| 19 | 21200 | 2.87 |
| 20 | 54800 | 7.41 |
| 21 | 77900 | 10.53 |
| 22 | 74200 | 10.03 |
| 23 | 5000 | 0.68 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 739900 | 100.0 |

SARDINELLA EBA

VARIANCE: 2.85 ECART TYPE: 1.69 TAILLE MOYENNE: 18.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 4200 | 0.33 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 16600 | 1.32 |
| 15 | 52300 | 4.15 |
| 16 | 184100 | 14.59 |
| 17 | 261400 | 20.72 |
| 18 | 229800 | 18.21 |
| 19 | 272100 | 21.57 |
| 20 | 189300 | 15.00 |
| 21 | 29000 | 2.30 |
| 22 | 22900 | 1.82 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1261700 | 100.0 |

SARDINELLA EBA

VARIANCE: 0.90 ECART TYPE: 0.95 TAILLE MOYENNE: 19.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 2400 | 1.89 |
| 17 | 4800 | 3.77 |
| 18 | 28800 | 22.64 |
| 19 | 52800 | 41.51 |
| 20 | 36000 | 28.30 |
| 21 | 2400 | 1.89 |
| 22 | 0 | C.C |
| 23 | 0 | C.C |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 127200 | 100.C |

SARDINELLA EBA

VARIANCE: 1.01 ECART TYPE: 1.01 TAILLE MOYENNE: 18.9

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 102600 | 3.62 |
| 17 | 286100 | 10.10 |
| 18 | 1082600 | 38.22 |
| 19 | 1044100 | 36.86 |
| 20 | 265000 | 9.36 |
| 21 | 29000 | 1.02 |
| 22 | 22900 | 0.81 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2832300 | 100.0 |

SARDINELLA FRA

VARIANCE: 3.70 ECART TYPE: 1.92 TAILLE MOYENNE: 18.2

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 61800 | 2.67 |
| 13 | 34200 | 1.48 |
| 14 | 62500 | 2.70 |
| 15 | 195400 | 8.45 |
| 16 | 115900 | 5.01 |
| 17 | 402800 | 17.41 |
| 18 | 510600 | 22.07 |
| 19 | 639100 | 27.63 |
| 20 | 250200 | 10.82 |
| 21 | 35300 | 1.53 |
| 22 | 0 | 0.0 |
| 23 | 5300 | 0.23 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2313100 | 100.0 |

SARDINELLA EBA

VARIANCE: 4.16 ECART TYPE: 2.04 TAILLE MOYENNE: 18.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 1500 | C.18 |
| 10 | 0 | C.C |
| 11 | 1500 | C.28 |
| 12 | 6000 | 1.13 |
| 13 | 12000 | 2.25 |
| 14 | 13800 | 2.59 |
| 15 | 40200 | 7.55 |
| 16 | 35500 | 6.67 |
| 17 | 45800 | 8.61 |
| 18 | 119600 | 22.47 |
| 19 | 143500 | 26.66 |
| 20 | 87600 | 16.46 |
| 21 | 23700 | 4.45 |
| 22 | 1500 | C.28 |
| 23 | 0 | C.C |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 532200 | 100.C |

SARDINELLA EBA

VARIANCE: 0.92 ECART TYPE: 0.96 TAILLE MOYENNE: 20.5

| LF | FREQUENCE | % FRIG. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 15300 | 3.09 |
| 19 | 137700 | 27.84 |
| 20 | 193800 | 39.18 |
| 21 | 112200 | 22.68 |
| 22 | 35700 | 7.22 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 494700 | 100.0 |

SARDINELLA EBA

VARIANCE: 7.88 ECART TYPE: 2.81 TAILLE MOYENNE: 15.3

| LF | FREQUENCE | % FRIC. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 2800 | 0.49 |
| 11 | 2800 | 0.49 |
| 12 | 61600 | 10.75 |
| 13 | 156800 | 27.37 |
| 14 | 198800 | 34.71 |
| 15 | 33600 | 5.87 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 3600 | 0.63 |
| 19 | 32400 | 5.66 |
| 20 | 45600 | 7.56 |
| 21 | 26400 | 4.61 |
| 22 | 8400 | 1.47 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 572800 | 100.0 |

SARDINELLA EBA

VARIANCE: 9.37 ECART TYPE: 3.06 TAILLE MOYENNE: 15.6

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 85200 | 0.33 |
| 9 | 974500 | 3.81 |
| 10 | 858000 | 3.36 |
| 11 | 1074100 | 4.20 |
| 12 | 1998300 | 7.82 |
| 13 | 3247000 | 12.71 |
| 14 | 3410100 | 13.35 |
| 15 | 3172700 | 12.42 |
| 16 | 2353600 | 9.21 |
| 17 | 1718200 | 6.73 |
| 18 | 2250500 | 8.81 |
| 19 | 2556400 | 10.01 |
| 20 | 1207400 | 4.73 |
| 21 | 395300 | 1.55 |
| 22 | 212700 | 0.83 |
| 23 | 32100 | 0.13 |
| 24 | 900 | 0.00 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 25547000 | 100.0 |

ANNEE 1968

SARDINELLE RONDE
(Sardinella aurita)
 1968

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|------|--------|
| | | POIDS (Qx) | % | MOULES |
| JANVIER | 3 730 | | | |
| FEVRIER | 6 890 | | | |
| MARS | 7 340 | | | |
| AVRIL | 12 650 | 100 | 0,79 | 0 |
| MAI | 6 830 | | | |
| JUIN | 6 680 | | | |
| JUILLET | 7 150 | | | |
| AOUT | 5 275 | | | |
| SEPTEMBRE | 2 400 | | | |
| OCTOBRE | 4 500 | | | |
| NOVEMBRE | 4 320 | | | |
| DECEMBRE | 2 850 | | | |
| TOTAL | 70 615 | 100 | 0,79 | |

SARDINELLA AURITA

VARIANCE: 15.27 ECART TYPE: 3.91 TAILLE MOYENNE: 15.0

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 40200 | 0.54 |
| 11 | 304900 | 4.12 |
| 12 | 1477900 | 19.66 |
| 13 | 2062700 | 27.86 |
| 14 | 1399800 | 18.90 |
| 15 | 548700 | 7.41 |
| 16 | 722000 | 9.75 |
| 17 | 282900 | 3.82 |
| 18 | 116400 | 1.57 |
| 19 | 5300 | 0.07 |
| 20 | 5300 | 0.07 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 14100 | 0.19 |
| 27 | 47000 | 0.63 |
| 28 | 143600 | 1.94 |
| 29 | 132300 | 1.79 |
| 30 | 70000 | 0.95 |
| 31 | 21100 | 0.28 |
| 32 | 7000 | 0.09 |
| 33 | 3500 | 0.05 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 7404700 | 100.0 |

SARDINELLA AURITA

VARIANCE: 36.23 ECART TYPE: 6.02 TAILLE MOYENNE: 23.5

| LF | FREQUENCE | % FREC. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 125000 | 4.15 |
| 16 | 150000 | 4.98 |
| 17 | 575000 | 19.08 |
| 18 | 400000 | 13.28 |
| 19 | 225000 | 7.47 |
| 20 | 125000 | 4.15 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 23200 | 0.77 |
| 27 | 92000 | 3.05 |
| 28 | 187600 | 6.23 |
| 29 | 469500 | 15.58 |
| 30 | 424600 | 14.09 |
| 31 | 188600 | 6.26 |
| 32 | 27500 | 0.91 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3013000 | 100.0 |

SARDINELLA AURITA

VARIANCE: 37.09 ECART TYPE: 6.09 TAILLE MOYENNE: 17.4

| LF | FREQUENCE | % FRIG. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 44000 | 0.52 |
| 11 | 0 | 0.0 |
| 12 | 1296000 | 15.44 |
| 13 | 2258900 | 26.92 |
| 14 | 1169400 | 13.93 |
| 15 | 1042800 | 12.43 |
| 16 | 191700 | 2.28 |
| 17 | 116500 | 1.39 |
| 18 | 96200 | 1.15 |
| 19 | 67200 | 0.80 |
| 20 | 122100 | 1.45 |
| 21 | 25900 | 0.31 |
| 22 | 50600 | 0.60 |
| 23 | 202400 | 2.41 |
| 24 | 207000 | 2.47 |
| 25 | 133300 | 1.59 |
| 26 | 27800 | 0.33 |
| 27 | 212800 | 2.54 |
| 28 | 271300 | 3.23 |
| 29 | 362800 | 4.32 |
| 30 | 354500 | 4.22 |
| 31 | 112200 | 1.34 |
| 32 | 27200 | 0.32 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 8392600 | 100.0 |

SARDINELLA AURITA

VARIANCE: 8.04 ECART TYPE: 2.84 TAILLE MOYENNE: 27.3

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 0 | C.C |
| 19 | 0 | C.C |
| 20 | 0 | C.C |
| 21 | 57100 | 1.68 |
| 22 | 249000 | 7.33 |
| 23 | 464900 | 13.68 |
| 24 | 279000 | 8.21 |
| 25 | 61300 | 1.80 |
| 26 | 89500 | 2.63 |
| 27 | 346100 | 10.18 |
| 28 | 649100 | 19.10 |
| 29 | 730300 | 21.49 |
| 30 | 356000 | 10.48 |
| 31 | 81200 | 2.39 |
| 32 | 34800 | 1.02 |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 3398300 | 100.C |

SARDINELLA AURITA

VARIANCE: 10.74 ECART TYPE: 3.28 TAILLE MOYENNE: 23.6

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 1200 | 0.04 |
| 15 | 27300 | 0.90 |
| 16 | 20400 | 0.67 |
| 17 | 6900 | 0.23 |
| 18 | 4200 | 0.14 |
| 19 | 19500 | 0.64 |
| 20 | 415900 | 13.65 |
| 21 | 645500 | 21.19 |
| 22 | 607900 | 19.66 |
| 23 | 475800 | 15.62 |
| 24 | 147900 | 4.86 |
| 25 | 36300 | 1.19 |
| 26 | 23200 | 0.76 |
| 27 | 87000 | 2.86 |
| 28 | 160200 | 5.26 |
| 29 | 204300 | 6.71 |
| 30 | 105700 | 3.47 |
| 31 | 44700 | 1.47 |
| 32 | 12400 | 0.41 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3046300 | 100.0 |

SARDINELLA AURITA

VARIANCE: 14.55 ECART TYPE: 3.81 TAILLE MOYENNE: 22.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 4000 | C.13 |
| 13 | 8400 | C.27 |
| 14 | 37800 | 1.22 |
| 15 | 151900 | 4.91 |
| 16 | 113100 | 3.66 |
| 17 | 23800 | C.77 |
| 18 | 23200 | C.75 |
| 19 | 49700 | 1.61 |
| 20 | 185000 | 5.68 |
| 21 | 748300 | 24.19 |
| 22 | 560800 | 18.13 |
| 23 | 441500 | 14.27 |
| 24 | 138100 | 4.46 |
| 25 | 23800 | C.77 |
| 26 | 4100 | C.13 |
| 27 | 54900 | 1.77 |
| 28 | 219700 | 7.10 |
| 29 | 196100 | 6.34 |
| 30 | 94500 | 3.05 |
| 31 | 15000 | C.48 |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 3093700 | 100.0 |

SARDINELLA AURITA

VARIANCE: 2.24 ECART TYPE: 1.50 TAILLE MOYENNE: 23.0

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 3800 | C.11 |
| 19 | 3800 | C.11 |
| 20 | 103500 | 2.88 |
| 21 | 651600 | 18.16 |
| 22 | 1396200 | 38.92 |
| 23 | 944100 | 26.31 |
| 24 | 244000 | 6.80 |
| 25 | 71900 | 2.00 |
| 26 | 41700 | 1.16 |
| 27 | 43000 | 1.20 |
| 28 | 65700 | 1.83 |
| 29 | 13600 | C.38 |
| 30 | 4800 | C.13 |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 3587700 | 100.C |

SARDINELLA AURITA

VARIANCE: 2.23 ECART TYPE: 1.49 TAILLE MOYENNE: 21.7

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 24000 | 0.70 |
| 16 | 24000 | 0.70 |
| 17 | 36000 | 1.05 |
| 18 | 167500 | 4.87 |
| 19 | 143500 | 4.17 |
| 20 | 272500 | 7.92 |
| 21 | 998500 | 29.01 |
| 22 | 1262500 | 36.88 |
| 23 | 478500 | 13.90 |
| 24. | 35000 | 1.02 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3442000 | 100.0 |

SARDINELLA AURITA

VARIANCE: 1.43 ECART TYPE: 1.20 TAILLE MOYENNE: 22.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 19800 | 1.24 |
| 19 | 46200 | 2.89 |
| 20 | 59000 | 3.69 |
| 21 | 288500 | 18.05 |
| 22 | 716900 | 44.85 |
| 23 | 363900 | 22.76 |
| 24 | 82300 | 5.15 |
| 25 | 17000 | 1.06 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 5000 | C.31 |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1598600 | 100.0 |

SARDINELLA AURITA

VARIANCE: 1.88 ECART TYPE: 1.37 TAILLE MOYENNE: 20.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 20500 | 0.60 |
| 17 | 12400 | 0.36 |
| 18 | 250000 | 7.35 |
| 19 | 877600 | 25.82 |
| 20 | 662600 | 19.49 |
| 21 | 901600 | 26.52 |
| 22 | 540200 | 15.89 |
| 23 | 128700 | 3.79 |
| 24 | 5600 | 0.16 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3399200 | 100.0 |

SARDINELLA AURITA

VARIANCE: 6.86 ECART TYPE: 2.62 TAILLE MOYENNE: 21.0

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 4800 | 0.15 |
| 12 | 40000 | 1.28 |
| 13 | 112000 | 3.59 |
| 14 | 83200 | 2.66 |
| 15 | 32000 | 1.02 |
| 16 | 36200 | 1.14 |
| 17 | 26300 | 0.84 |
| 18 | 54000 | 1.73 |
| 19 | 244800 | 7.84 |
| 20 | 397300 | 12.72 |
| 21 | 786100 | 25.16 |
| 22 | 875200 | 28.02 |
| 23 | 383000 | 12.26 |
| 24 | 35400 | 1.13 |
| 25 | 13700 | 0.44 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3124000 | 100.0 |

SARDINELLA AURITA

VARIANCE: 2.73 ECART TYPE: 1.65 TAILLE MOYENNE: 22.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 1200 | 0.07 |
| 15 | 0 | 0.0 |
| 16 | 3400 | 0.19 |
| 17 | 7700 | 0.42 |
| 18 | 66000 | 3.61 |
| 19 | 119600 | 6.55 |
| 20 | 107700 | 5.90 |
| 21 | 249300 | 13.65 |
| 22 | 431000 | 26.34 |
| 23 | 538200 | 29.47 |
| 24 | 206100 | 11.29 |
| 25 | 46100 | 2.52 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1826300 | 100.0 |

SARDINELLA AURITA

VARIANCE: 27.85 ECART TYPE: 5.28 TAILLE MOYENNE: 20.6

| LF | FREQUENCE | % FREC. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 84200 | 0.19 |
| 11 | 309700 | 0.68 |
| 12 | 2817900 | 6.22 |
| 13 | 4442000 | 9.80 |
| 14 | 2692600 | 5.94 |
| 15 | 1951700 | 4.31 |
| 16 | 1281300 | 2.83 |
| 17 | 1087500 | 2.40 |
| 18 | 1201100 | 2.65 |
| 19 | 1802200 | 3.98 |
| 20 | 2455900 | 5.42 |
| 21 | 5352400 | 11.81 |
| 22 | 6740300 | 14.87 |
| 23 | 4421000 | 9.75 |
| 24 | 1380400 | 3.05 |
| 25 | 403400 | 0.89 |
| 26 | 223600 | 0.49 |
| 27 | 882800 | 1.65 |
| 28 | 1702200 | 3.76 |
| 29 | 2108900 | 4.65 |
| 30 | 1410100 | 3.11 |
| 31 | 462800 | 1.02 |
| 32 | 108900 | 0.24 |
| 33 | 3500 | C.C1 |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 45326400 | 100.0 |

SARDINELLE PLATE
 (Sardinella maderensis = S. eba)
 1968

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|---|--------|
| | | POIDS (Qx) | % | MOULES |
| JANVIER | 1 630 | | | |
| FEVRIER | 560 | | | |
| MARS | 370 | | | |
| AVRIL | 100 | | | |
| MAI | 730 | | | |
| JUIN | 560 | | | |
| JUILLET | 2 670 | | | |
| AOUT | 2 700 | | | |
| SEPTEMBRE | 3 300 | | | |
| OCTOBRE | 3 000 | | | |
| NOVEMBRE | 1 050 | | | |
| DECEMBRE | 1 545 | | | |
| TOTAL | 18 215 | o | o | |

SARDINELLA EBA

VARIANCE: 1.25 ECART TYPE: 1.12 TAILLE MOYENNE: 13.9

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 12600 | C.29 |
| 10 | 94500 | 2.16 |
| 11 | 105400 | 2.41 |
| 12 | 406800 | 9.29 |
| 13 | 1512100 | 34.51 |
| 14 | 1695500 | 38.70 |
| 15 | 445800 | 10.18 |
| 16 | 108300 | 2.47 |
| 17 | 0 | C.C |
| 18 | 0 | C.C |
| 19 | 0 | C.C |
| 20 | 0 | C.C |
| 21 | 0 | C.C |
| 22 | 0 | C.C |
| 23 | 0 | C.C |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 4381000 | 100.C |

SARDINELLA EBA

VARIANCE: 2.34 ECART TYPE: 1.53 TAILLE MOYENNE: 14.4

| LF | FREQUENCE | % FFEC. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 112000 | 7.14 |
| 11 | 0 | 0.0 |
| 12 | 56000 | 3.57 |
| 13 | 336000 | 21.43 |
| 14 | 672000 | 42.86 |
| 15 | 168000 | 10.71 |
| 16 | 168000 | 10.71 |
| 17 | 56000 | 3.57 |
| 18 | 0 | 0.0 |
| 19 | 0 | 0.0 |
| 20 | 0 | 0.0 |
| 21 | 0 | 0.0 |
| 22 | 0 | 0.0 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1568000 | 100.0 |

SARDINELLA FBA

VARIANCE: 4.46 ECART TYPE: 2.11 TAILLE MOYENNE: 13.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 21300 | 2.59 |
| 10 | 54500 | 6.63 |
| 11 | 46300 | 5.63 |
| 12 | 59400 | 7.22 |
| 13 | 291300 | 35.43 |
| 14 | 221300 | 26.91 |
| 15 | 72800 | 8.85 |
| 16 | 30700 | 3.73 |
| 17 | 2500 | 0.30 |
| 18 | 0 | 0.0 |
| 19 | 0 | 0.0 |
| 20 | 200 | 0.02 |
| 21 | 5300 | 0.64 |
| 22 | 9400 | 1.14 |
| 23 | 6600 | 0.80 |
| 24 | 700 | 0.09 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 822300 | 100.0 |

*Fiabilité douteuse des données de mensuration

SARDINELLA EBA

VARIANCE: 0.68 ECART TYPE: 0.83 TAILLE MOYENNE: 22.6

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 0 | 0.0 |
| 19 | 0 | 0.0 |
| 20 | 500 | 0.96 |
| 21 | 12500 | 24.04 |
| 22 | 22000 | 42.31 |
| 23 | 15500 | 29.81 |
| 24 | 1500 | 2.88 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 52000 | 100.0 |

SARDINELLA EBA

VARIANCE: 1.25 ECART TYPE: 1.12 TAILLE MOYENNE: 15.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 6500 | 0.53 |
| 14 | 221000 | 17.85 |
| 15 | 630500 | 50.93 |
| 16 | 273000 | 22.05 |
| 17 | 78000 | 6.30 |
| 18 | 13000 | 1.05 |
| 19 | 0 | 0.0 |
| 20 | 2000 | 0.16 |
| 21 | 4000 | 0.32 |
| 22 | 10000 | 0.81 |
| 23 | 0 | 0.0 |
| 24 | 0 | 0.0 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1238000 | 100.0 |

SARDINELLA EBA

VARIANCE: 12.97 ECART TYPE: 3.60 TAILLE MOYENNE: 17.3

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 4500 | 0.73 |
| 12 | 54300 | 8.79 |
| 13 | 109100 | 17.67 |
| 14 | 57600 | 9.33 |
| 15 | 72100 | 11.68 |
| 16 | 33800 | 5.47 |
| 17 | 17700 | 2.87 |
| 18 | 4900 | 0.79 |
| 19 | 49200 | 7.97 |
| 20 | 77600 | 12.87 |
| 21 | 72900 | 11.81 |
| 22 | 43500 | 7.04 |
| 23 | 17400 | 2.82 |
| 24 | 2900 | 0.47 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 617500 | 100.0 |

SARDINELLA EBA

VARIANCE: 10.50 ECART TYPE: 3.24 TAILLE MOYENNE: 19.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 8100 | 0.41 |
| 13 | 297000 | 14.98 |
| 14 | 97200 | 4.90 |
| 15 | 2700 | 0.14 |
| 16 | 0 | 0.0 |
| 17 | 7200 | 0.36 |
| 18 | 14400 | 0.73 |
| 19 | 180000 | 9.08 |
| 20 | 456000 | 23.00 |
| 21 | 500400 | 25.23 |
| 22 | 277200 | 13.98 |
| 23 | 129600 | 6.54 |
| 24 | 13200 | 0.67 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1983000 | 100.0 |

SARDINELLA EBA

VARIANCE: 3.83 ECART TYPE: 1.96 TAILLE MOYENNE: 19.4

| LF | FREQUENCE | % FRIC. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | 0.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 75000 | 3.19 |
| 15 | 25000 | 1.06 |
| 16 | 200000 | 8.49 |
| 17 | 179800 | 7.64 |
| 18 | 421200 | 17.89 |
| 19 | 520200 | 22.09 |
| 20 | 461000 | 19.58 |
| 21 | 280400 | 11.91 |
| 22 | 124800 | 5.30 |
| 23 | 62400 | 2.65 |
| 24 | 4800 | 0.20 |
| 25 | 0 | C.0 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | 0.0 |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | 0.C |
| 34 | 0 | 0.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | 0.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | 0.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | 0.C |
| 48 | 0 | 0.C |
| 49 | 0 | C.C |
| 50 | 0 | 0.C |
| TOTAL | 2354600 | 100.C |

SARDINELLA EBA

VARIANCE: 2.33 ECART TYPE: 1.53 TAILLE MOYENNE: 20.7

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 7100 | 0.31 |
| 16 | 16100 | 0.71 |
| 17 | 55400 | 2.45 |
| 18 | 175000 | 7.73 |
| 19 | 469300 | 20.72 |
| 20 | 636800 | 28.12 |
| 21 | 461900 | 20.40 |
| 22 | 296700 | 13.10 |
| 23 | 110800 | 4.89 |
| 24 | 28700 | 1.27 |
| 25 | 6700 | 0.30 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2264500 | 100.0 |

SARDINELLA EBA

VARIANCE: 2.25 ECART TYPE: 1.50 TAILLE MOYENNE: 20.7

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 60000 | 2.57 |
| 18 | 174000 | 7.45 |
| 19 | 638400 | 27.32 |
| 20 | 634800 | 27.16 |
| 21 | 331200 | 14.17 |
| 22 | 327600 | 14.02 |
| 23 | 145800 | 6.24 |
| 24 | 16800 | C.72 |
| 25 | 8400 | C.36 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 2337000 | 100.C |

SARDINELLA E8A

VARIANCE: 18.98 ECART TYPE: 4.36 TAILLE MOYENNE: 17.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 5600 | C.58 |
| 11 | 182000 | 18.76 |
| 12 | 169400 | 17.46 |
| 13 | 5600 | 0.58 |
| 14 | 600 | C.06 |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 600 | C.06 |
| 18 | 28300 | 2.92 |
| 19 | 120900 | 12.46 |
| 20 | 243200 | 25.07 |
| 21 | 130700 | 13.47 |
| 22 | 61600 | 6.35 |
| 23 | 16200 | 1.67 |
| 24 | 0 | 0.C |
| 25 | 5400 | C.56 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 970100 | 100.C |

SARDINELLA EBA

VARIANCE: 6.31 ECART TYPE: 2.51 TAILLE MOYENNE: 19.6

| LF | FREQUENCE | % FRIC. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 66000 | 4.03 |
| 13 | 71300 | 5.11 |
| 14 | 1600 | C.11 |
| 15 | 0 | C.0 |
| 16 | 16400 | 1.18 |
| 17 | 48900 | 3.51 |
| 18 | 80200 | 5.75 |
| 19 | 367900 | 26.39 |
| 20 | 377100 | 27.05 |
| 21 | 257300 | 18.45 |
| 22 | 87900 | 6.30 |
| 23 | 16500 | 1.18 |
| 24 | 3200 | 0.23 |
| 25 | 0 | C.0 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TCTAL | 1394300 | 100.C |

SARDINELLA FBA

VARIANCE: 12.42 ECART TYPE: 3.52 TAILLE MOYENNE: 17.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 37900 | 0.17 |
| 10 | 266600 | 1.33 |
| 11 | 338200 | 1.69 |
| 12 | 820000 | 4.10 |
| 13 | 2628900 | 13.16 |
| 14 | 3041800 | 15.22 |
| 15 | 1424000 | 7.13 |
| 16 | 846300 | 4.24 |
| 17 | 506100 | 2.53 |
| 18 | 911000 | 4.56 |
| 19 | 2345900 | 11.74 |
| 20 | 2889200 | 14.46 |
| 21 | 2056600 | 10.29 |
| 22 | 1260700 | 6.31 |
| 23 | 520800 | 2.61 |
| 24 | 71800 | 0.36 |
| 25 | 20500 | 0.10 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 19982300 | 100.0 |

ANNEE 1969

SARDINELLE RONDE
(Sardinella aurita)
 1969

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|------|--------|
| | | POIDS (Qx) | % | MOULES |
| JANVIER | 13 190 | 100 | 0,76 | 1 |
| FEVRIER | 4 560 | | | |
| MARS | 8 610 | | | |
| AVRIL | 5 745 | | | |
| MAI | 9 005 | | | |
| JUIN | 5 355 | | | |
| JUILLET | 4 595 | | | |
| AOUT | 2 770 | | | |
| SEPTEMBRE | 5 840 | | | |
| OCTOBRE | 12 605 | | | |
| NOVEMBRE | 17 310 | | | |
| DECEMBRE | 7 340 | | | |
| TOTAL | 96 925 | 100 | 0,10 | |

SARDINELLA AURITA

VARIANCE: 14.08 ECART TYPE: 3.75 TAILLE MOYENNE: 26.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 25500 | 0.53 |
| 17 | 25500 | 0.53 |
| 18 | 153000 | 3.16 |
| 19 | 158130 | 3.26 |
| 20 | 91890 | 1.90 |
| 21 | 97320 | 2.01 |
| 22 | 388464 | 8.01 |
| 23 | 581856 | 12.00 |
| 24 | 375474 | 7.74 |
| 25 | 162813 | 3.36 |
| 26 | 71200 | 1.47 |
| 27 | 285100 | 5.88 |
| 28 | 646159 | 13.33 |
| 29 | 956889 | 19.74 |
| 30 | 559208 | 11.53 |
| 31 | 265368 | 5.47 |
| 32 | 4525 | 0.09 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 4848396 | 100.0 |

SARDINELLA AURITA

VARIANCE: 23.05 ECART TYPE: 4.80 TAILLE MOYENNE: 25.2

| LF | FREQUENCE | % FFIC. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 1043 | C.07 |
| 12 | 4172 | C.27 |
| 13 | 10430 | 0.66 |
| 14 | 20860 | 1.33 |
| 15 | 38591 | 2.46 |
| 16 | 73010 | 4.65 |
| 17 | 73010 | 4.65 |
| 18 | 45892 | 2.92 |
| 19 | 24436 | 1.56 |
| 20 | 23244 | 1.48 |
| 21 | 29204 | 1.86 |
| 22 | 76139 | 4.85 |
| 23 | 147212 | 9.38 |
| 24 | 87016 | 5.54 |
| 25 | 70384 | 4.48 |
| 26 | 30913 | 1.97 |
| 27 | 135655 | 8.64 |
| 28 | 265651 | 16.92 |
| 29 | 275973 | 17.58 |
| 30 | 92285 | 5.88 |
| 31 | 39746 | 2.53 |
| 32 | 4662 | C.30 |
| 33 | 666 | 0.04 |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1570194 | 100.C |

SARDINELLA AURITA

VARIANCE: 7.01 ECART TYPE: 2.65 TAILLE MOYENNE: 28.0

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 0 | 0.0 |
| 19 | 3970 | 0.17 |
| 20 | 11910 | 0.50 |
| 21 | 19850 | 0.83 |
| 22 | 63520 | 2.67 |
| 23 | 174680 | 7.35 |
| 24 | 244343 | 10.28 |
| 25 | 98196 | 4.13 |
| 26 | 61226 | 2.58 |
| 27 | 156948 | 6.60 |
| 28 | 424181 | 17.84 |
| 29 | 592865 | 24.94 |
| 30 | 401452 | 16.89 |
| 31 | 105621 | 4.44 |
| 32 | 16600 | 0.70 |
| 33 | 1985 | 0.08 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2377347 | 100.0 |

SARDINELLA AUFITA

VARIANCE: 14.11 ECART TYPE: 3.76 TAILLE MOYENNE: 26.1

| LF | FREQUENCE | % FRIG. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 3840 | C.22 |
| 19 | 2400 | C.14 |
| 20 | 40837 | 2.32 |
| 21 | 227151 | 12.93 |
| 22 | 297071 | 16.91 |
| 23 | 213822 | 12.17 |
| 24 | 72912 | 4.15 |
| 25 | 52252 | 2.97 |
| 26 | 19262 | 1.10 |
| 27 | 32783 | 1.87 |
| 28 | 117760 | 6.70 |
| 29 | 300288 | 17.09 |
| 30 | 259072 | 14.74 |
| 31 | 100096 | 5.70 |
| 32 | 17664 | 1.01 |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1757210 | 100.C |

SARDINELLA AURITA

VARIANCE: 1.32 ECART TYPE: 1.15 TAILLE MOYENNE: 22.2

| LF | FREQUENCE | % FFREQ. |
|-------|-----------|----------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 2685 | C.05 |
| 19 | 16614 | C.32 |
| 20 | 263196 | 5.15 |
| 21 | 2084835 | 40.77 |
| 22 | 2154123 | 42.12 |
| 23 | 446484 | 8.73 |
| 24 | 73667 | 1.44 |
| 25 | 13410 | C.26 |
| 26 | 2235 | C.04 |
| 27 | 2235 | C.04 |
| 28 | 19112 | C.37 |
| 29 | 8235 | C.16 |
| 30 | 18000 | C.35 |
| 31 | 9000 | C.18 |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 5113831 | 100.C |

SARDINELLA AURITA

VARIANCE: 1.65 ECART TYPE: 1.29 TAILLE MOYENNE: 21.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 10195 | C.31 |
| 18 | 98470 | 2.95 |
| 19 | 365454 | 10.94 |
| 20 | 697021 | 20.86 |
| 21 | 1191209 | 35.65 |
| 22 | 708214 | 21.20 |
| 23 | 217363 | 6.51 |
| 24 | 34545 | 1.03 |
| 25 | 6666 | C.20 |
| 26 | 4992 | C.15 |
| 27 | 6828 | C.20 |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 3340957 | 100.C |

SARDINELLA AURITA

VARIANCE: 1.28 ECART TYPE: 1.13 TAILLE MOYENNE: 20.9

| LF | FREQUENCE | Z FIG. |
|-------|-----------|--------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 15819 | C.47 |
| 18 | 100334 | 2.99 |
| 19 | 618850 | 18.45 |
| 20 | 1009579 | 30.09 |
| 21 | 1080045 | 32.19 |
| 22 | 437004 | 13.63 |
| 23 | 88329 | 2.83 |
| 24. | 5043 | C.15 |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TCTAL | 3355003 | 100.C |

SARDINELLA AURITA

VARIANCE: 1.77 ECART TYPE: 1.33 TAILLE MOYENNE: 21.1

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 105692 | 5.44 |
| 19 | 341920 | 17.59 |
| 20 | 412329 | 21.21 |
| 21 | 504549 | 25.96 |
| 22 | 451945 | 23.25 |
| 23 | 127126 | 6.54 |
| 24 | 334 | 0.02 |
| 25 | 0 | 0.0 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1943895 | 100.0 |

SARDINELLA AURITA

VARIANCE: 1.36 ECART TYPE: 1.17 TAILLE MOYENNE: 21.3

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 50918 | 1.20 |
| 19 | 541480 | 12.76 |
| 20 | 1183275 | 27.87 |
| 21 | 1380056 | 32.51 |
| 22 | 833530 | 19.63 |
| 23 | 197782 | 4.66 |
| 24 | 49668 | 1.17 |
| 25 | 8500 | 0.20 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 4245209 | 100.C |

SARDINELLA AURITA

VARIANCE: 0.96 ECART TYPE: 0.98 TAILLE MOYENNE: 21.1

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 89785 | C.95 |
| 19 | 1065695 | 11.26 |
| 20 | 3161808 | 33.39 |
| 21 | 3569469 | 37.70 |
| 22 | 1346412 | 14.22 |
| 23 | 220012 | 2.32 |
| 24 | 15207 | C.16 |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 9468388 | 100.C |

SARDINELLA AURITA

VARIANCE: 0.70 ECART TYPE: 0.83 TAILLE MOYENNE: 21.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 25734 | C.22 |
| 19 | 317018 | 2.87 |
| 20 | 3410383 | 28.77 |
| 21 | 5669602 | 47.82 |
| 22 | 2120252 | 17.88 |
| 23 | 284497 | 2.40 |
| 24 | 23060 | C.24 |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 11855546 | 100.C |

SARDINELLA AURITA

VARIANCE: 4.41 ECART TYPE: 2.10 TAILLE MOYENNE: 18.9

| LF | FREQUENCE | % FFREQ. |
|-------|-----------|----------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | 0.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 23667 | 0.32 |
| 14 | 65167 | C.87 |
| 15 | 188640 | 2.52 |
| 16 | 1090310 | 14.58 |
| 17 | 1562807 | 20.89 |
| 18 | 1674915 | 22.39 |
| 19 | 874553 | 11.69 |
| 20 | 528439 | 7.06 |
| 21 | 795523 | 10.64 |
| 22 | 515816 | 6.90 |
| 23 | 97200 | 1.30 |
| 24 | 31059 | C.42 |
| 25 | 0 | C.C |
| 26 | 7700 | C.10 |
| 27 | 8000 | C.11 |
| 28 | 16000 | C.21 |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | 0.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | 0.C |
| TOTAL | 7479796 | 100.C |

SARDINELLA AURITA

VARIANCE: 9.52 ECART TYPE: 3.09 TAILLE MOYENNE: 22.0

| LF | FREQUENCE | % FREC. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 1043 | C.00 |
| 12 | 4172 | C.01 |
| 13 | 34097 | C.08 |
| 14 | 86027 | C.15 |
| 15 | 227231 | C.40 |
| 16 | 1188820 | 2.07 |
| 17 | 1687331 | 2.94 |
| 18 | 2351265 | 4.10 |
| 19 | 4330520 | 7.55 |
| 20 | 10833911 | 18.89 |
| 21 | 16648813 | 29.03 |
| 22 | 9392490 | 16.38 |
| 23 | 2796363 | 4.88 |
| 24 | 1017328 | 1.77 |
| 25 | 412221 | 0.72 |
| 26 | 197528 | C.34 |
| 27 | 627549 | 1.09 |
| 28 | 1488863 | 2.60 |
| 29 | 2134250 | 3.72 |
| 30 | 1330017 | 2.32 |
| 31 | 515831 | C.91 |
| 32 | 43451 | C.08 |
| 33 | 2651 | C.CC |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 57355772 | 100.C |

SARDINELLE PLATE
 (Sardinella maderensis = S. eba)
 1969

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|------|--------|
| | | POIDS (qx) | % | MOULES |
| JANVIER | 1 415 | | | |
| FEVRIER | 120 | 60 | | 0 |
| MARS | 210 | | | |
| AVRIL | 1 545 | | | |
| MAI | 3 110 | | | |
| JUIN | 3 155 | | | |
| JUILLET | 8 175 | | | |
| AOUT | 11 300 | | | |
| SEPTEMBRE | 7 415 | | | |
| OCTOBRE | 5 560 | | | |
| NOVEMBRE | 3 085 | | | |
| DECEMBRE | 2 660 | 210 | 7,89 | 0 |
| TOTAL | 47 750 | 270 | 0,57 | |

SAFDINELLA EBA

VARIANCE: 4.38 ECART TYPE: 2.09 TAILLE MOYENNE: 18.9

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 43956 | 3.25 |
| 14 | 58306 | 4.32 |
| 15 | 57116 | 4.23 |
| 16 | 105556 | 7.82 |
| 17 | 97356 | 7.21 |
| 18 | 181552 | 13.44 |
| 19 | 359242 | 26.60 |
| 20 | 311232 | 23.04 |
| 21 | 108512 | 8.03 |
| 22 | 27748 | 2.05 |
| 23 | 0 | C.C |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 1350576 | 100.C |

SARDINELLA EBA

VARIANCE: 9.07 ECART TYPE: 3.01 TAILLE MOYENNE: 15.2

| LF | FREQUENCE | % FRIG. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 922 | C.98 |
| 10 | 1383 | 1.46 |
| 11 | 6915 | 7.32 |
| 12 | 9681 | 10.24 |
| 13 | 18440 | 19.51 |
| 14 | 20745 | 21.95 |
| 15 | 12447 | 13.17 |
| 16 | 5071 | 5.37 |
| 17 | 3688 | 3.90 |
| 18 | 1844 | 1.95 |
| 19 | 461 | C.49 |
| 20 | 4149 | 4.39 |
| 21 | 6454 | 6.83 |
| 22 | 1383 | 1.46 |
| 23 | 922 | C.98 |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 94505 | 100.C |

SARDINELLA EBA

VARIANCE: 1.00 ECART TYPE: 1.00 TAILLE MOYENNE: 22.9

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 0 | C.C |
| 19 | 0 | C.C |
| 20 | 1234 | 1.22 |
| 21 | 17276 | 17.07 |
| 22 | 36403 | 35.98 |
| 23 | 31467 | 31.10 |
| 24 | 13574 | 13.41 |
| 25 | 1234 | 1.22 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 101188 | 100.0 |

SARDINELLA EBA

VARIANCE: 2.97 ECART TYPE: 1.72 TAILLE MOYENNE: 21.3

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 2586 | 0.29 |
| 18 | 82752 | 9.31 |
| 19 | 155160 | 17.45 |
| 20 | 165050 | 18.56 |
| 21 | 182450 | 20.52 |
| 22 | 165489 | 18.61 |
| 23 | 74086 | 8.33 |
| 24 | 47575 | 5.35 |
| 25 | 13311 | 1.50 |
| 26 | 643 | 0.07 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 889102 | 100.0 |

SARDINELLA E8A

VARIANCE: 2.82 ECART TYPE: 1.68 TAILLE MOYENNE: 20.7

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 23454 | 1.23 |
| 18 | 263314 | 13.82 |
| 19 | 437293 | 22.86 |
| 20 | 470253 | 24.69 |
| 21 | 406000 | 21.02 |
| 22 | 149634 | 7.86 |
| 23 | 76987 | 4.04 |
| 24 | 25817 | 1.36 |
| 25 | 39520 | 2.17 |
| 26 | 0 | 0.0 |
| 27 | 12450 | 0.65 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1904722 | 100.0 |

SARDINELLA EBA

VARIANCE: 2.72 ECART TYPE: 1.65 TAILLE MOYENNE: 18.9

| LF | FREQUENCE | % FFEC. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 4028 | 0.16 |
| 16 | 176346 | 7.13 |
| 17 | 662765 | 26.80 |
| 18 | 682495 | 27.59 |
| 19 | 427833 | 17.30 |
| 20 | 249633 | 10.09 |
| 21 | 143168 | 5.79 |
| 22 | 64523 | 2.61 |
| 23 | 38672 | 1.56 |
| 24 | 17339 | 0.70 |
| 25 | 5510 | 0.22 |
| 26 | 487 | 0.02 |
| 27 | 487 | 0.02 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 2473286 | 100.0 |

SARDINELLA EBA

VARIANCE: 2.09 ECART TYPE: 1.45 TAILLE MOYENNE: 19.6

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 1700 | 0.03 |
| 15 | 4368 | 0.07 |
| 16 | 157142 | 2.44 |
| 17 | 484852 | 7.54 |
| 18 | 1581709 | 24.60 |
| 19 | 2211643 | 34.40 |
| 20 | 1045993 | 16.27 |
| 21 | 542548 | 8.44 |
| 22 | 255330 | 3.97 |
| 23 | 93911 | 1.46 |
| 24 | 36549 | 0.57 |
| 25 | 14019 | 0.22 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 6429764 | 100.0 |

SARDINELLA EBA

VARIANCE: 1.81 ECART TYPE: 1.34 TAILLE MOYENNE: 19.5

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 1000 | 0.01 |
| 16 | 72727 | 0.81 |
| 17 | 728981 | 8.09 |
| 18 | 2656307 | 29.49 |
| 19 | 2868563 | 31.84 |
| 20 | 1542913 | 17.13 |
| 21 | 663677 | 7.37 |
| 22 | 327813 | 3.64 |
| 23 | 108086 | 1.20 |
| 24 | 27285 | 0.30 |
| 25 | 6767 | 0.08 |
| 26 | 4807 | 0.05 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 9008926 | 100.0 |

SARDINELLA EBA

VARIANCE: 2.19 ECART TYPE: 1.48 TAILLE MOYENNE: 15.0

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 1769 | 0.03 |
| 16 | 55842 | 0.80 |
| 17 | 1375988 | 19.76 |
| 18 | 3121244 | 44.83 |
| 19 | 1358268 | 19.51 |
| 20 | 409635 | 5.88 |
| 21 | 211992 | 3.04 |
| 22 | 200726 | 2.88 |
| 23 | 139151 | 2.00 |
| 24 | 52900 | 0.76 |
| 25 | 28650 | 0.41 |
| 26 | 6169 | 0.09 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 6962334 | 100.0 |

SARDINELLA EBA

VARIANCE: 1.54 ECART TYPE: 1.24 TAILLE MOYENNE: 19.0

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 3850 | C.08 |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 86738 | 1.73 |
| 17 | 970444 | 19.32 |
| 18 | 1579519 | 31.45 |
| 19 | 1456156 | 28.99 |
| 20 | 643379 | 12.81 |
| 21 | 196971 | 3.92 |
| 22 | 63628 | 1.27 |
| 23 | 8333 | C.17 |
| 24 | 13332 | C.27 |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 5022350 | 100.C |

SARDINELLA EBA

VARIANCE: 3.40 ECART TYPE: 1.84 TAILLE MOYENNE: 19.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 3188 | C.13 |
| 12 | 5424 | C.22 |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 66948 | 2.68 |
| 17 | 643976 | 25.74 |
| 18 | 548048 | 21.90 |
| 19 | 196460 | 7.85 |
| 20 | 389244 | 15.56 |
| 21 | 466464 | 18.64 |
| 22 | 144212 | 5.76 |
| 23 | 27120 | 1.08 |
| 24 | 5424 | C.22 |
| 25 | 5424 | C.22 |
| 26 | 0 | C.C |
| 27 | 0 | C.C |
| 28 | 0 | C.C |
| 29 | 0 | C.C |
| 30 | 0 | C.C |
| 31 | 0 | C.C |
| 32 | 0 | C.C |
| 33 | 0 | C.C |
| 34 | 0 | C.C |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 2501932 | 100.C |

SARDINELLA EBA

VARIANCE: 1.77 ECART TYPE: 1.33 TAILLE MOYENNE: 20.8

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 3941 | 0.24 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 23229 | 1.43 |
| 18 | 117922 | 7.27 |
| 19 | 197407 | 12.17 |
| 20 | 510741 | 31.50 |
| 21 | 540244 | 33.32 |
| 22 | 174734 | 10.78 |
| 23 | 32610 | 2.01 |
| 24 | 14265 | 0.88 |
| 25 | 6522 | 0.40 |
| 26 | 0 | 0.0 |
| 27 | 0 | 0.0 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 1621615 | 100.0 |

RECAPITULATION

69

SARDINELLA EBA

VARIANCE: 2.64 ECART TYPE: 1.63 TAILLE MOYENNE: 19.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 922 | 0.00 |
| 10 | 1383 | 0.00 |
| 11 | 13953 | 0.04 |
| 12 | 19046 | 0.05 |
| 13 | 62396 | 0.16 |
| 14 | 80751 | 0.21 |
| 15 | 80728 | 0.21 |
| 16 | 726370 | 1.89 |
| 17 | 5017319 | 13.08 |
| 18 | 10816706 | 28.20 |
| 19 | 9668486 | 25.20 |
| 20 | 5743456 | 14.97 |
| 21 | 3485756 | 9.09 |
| 22 | 1611623 | 4.20 |
| 23 | 631345 | 1.65 |
| 24 | 254060 | 0.66 |
| 25 | 120957 | 0.32 |
| 26 | 12106 | 0.03 |
| 27 | 12937 | 0.03 |
| 28 | 0 | 0.0 |
| 29 | 0 | 0.0 |
| 30 | 0 | 0.0 |
| 31 | 0 | 0.0 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 38360300 | 100.0 |

CHINCHARD JAUNE
 (Caranx rhonchus)
 1969

| MOIS | PRISES (quintaux) | NON ECHANTILLONNEES | | |
|-----------|----------------------|---------------------|------|--------|
| | | POIDS (Qx) | % | MOULES |
| JANVIER | 390 | 390 | 100 | 0 |
| FEVRIER | 3 360 | | | |
| MARS | 4 370 | | | |
| AVRIL | 1 545 | | | |
| MAI | 950 | | | |
| JUIN | 230 | | | |
| JUILLET | 0 | | | |
| AOUT | 240 | 240 | 100 | 0 |
| SEPTEMBRE | 0 | | | |
| OCTOBRE | 55 | | | |
| NOVEMBRE | 405 | 405 | 100 | 0 |
| DECEMBRE | 1 800 | | | |
| TOTAL | 13 530 | 1 015 | 7,80 | |

CARANX

RHCNCHUS

VARIANCE: 1.73 ECART TYPE: 1.32 TAILLE MOYENNE: 30.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 0 | C.C |
| 19 | 0 | C.C |
| 20 | 0 | C.C |
| 21 | 0 | C.C |
| 22 | 0 | C.C |
| 23 | 0 | C.C |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 19647 | 2.46 |
| 28 | 85137 | 10.66 |
| 29 | 222666 | 27.87 |
| 30 | 255411 | 31.97 |
| 31 | 117882 | 14.75 |
| 32 | 78588 | 9.84 |
| 33 | 13098 | 1.64 |
| 34 | 6549 | C.82 |
| 35 | 0 | C.C |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 798978 | 100.C |

CARANX RHENCHUS

VARIANCE: 2.66 ECART TYPE: 1.63 TAILLE MOYENNE: 31.0

| LF | FREQUENCE | % FFREQ. |
|-------|-----------|----------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 0 | C.C |
| 17 | 0 | C.C |
| 18 | 0 | C.C |
| 19 | 0 | C.C |
| 20 | 0 | C.C |
| 21 | 0 | C.C |
| 22 | 0 | C.C |
| 23 | 0 | C.C |
| 24 | 0 | C.C |
| 25 | 0 | C.C |
| 26 | 0 | C.C |
| 27 | 15618 | 1.66 |
| 28 | 67678 | 7.20 |
| 29 | 187294 | 19.92 |
| 30 | 240764 | 25.60 |
| 31 | 169168 | 17.99 |
| 32 | 155082 | 16.49 |
| 33 | 58432 | 6.21 |
| 34 | 36076 | 3.84 |
| 35 | 10290 | 1.09 |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TOTAL | 940402 | 100.C |

CARANX RHCNCHUS

VARIANCE: 11.69 ECART TYPE: 3.42 TAILLE MOYENNE: 28.7

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | C.C |
| 8 | 0 | C.C |
| 9 | 0 | C.C |
| 10 | 0 | C.C |
| 11 | 0 | C.C |
| 12 | 0 | C.C |
| 13 | 0 | C.C |
| 14 | 0 | C.C |
| 15 | 0 | C.C |
| 16 | 11167 | 2.66 |
| 17 | 0 | C.0 |
| 18 | 0 | C.0 |
| 19 | 0 | C.0 |
| 20 | 0 | C.0 |
| 21 | 0 | C.0 |
| 22 | 11167 | 2.66 |
| 23 | 11167 | 2.66 |
| 24 | 0 | C.C |
| 25 | 22334 | 5.32 |
| 26 | 55835 | 13.30 |
| 27 | 22334 | 5.32 |
| 28 | 122837 | 29.25 |
| 29 | 36741 | 8.75 |
| 30 | 11880 | 2.83 |
| 31 | 23760 | 5.66 |
| 32 | 62661 | 14.92 |
| 33 | 15120 | 3.60 |
| 34 | 9720 | 2.31 |
| 35 | 3240 | C.77 |
| 36 | 0 | C.C |
| 37 | 0 | C.C |
| 38 | 0 | C.C |
| 39 | 0 | C.C |
| 40 | 0 | C.C |
| 41 | 0 | C.C |
| 42 | 0 | C.C |
| 43 | 0 | C.C |
| 44 | 0 | C.C |
| 45 | 0 | C.C |
| 46 | 0 | C.C |
| 47 | 0 | C.C |
| 48 | 0 | C.C |
| 49 | 0 | C.C |
| 50 | 0 | C.C |
| TCTAL | 419963 | 100.C |

CARANX RHCNCHUS

VARIANCE: 19.43 ECART TYPE: 4.41 TAILLE MOYENNE: 28.8

| LF | FREQUENCE | % FREC. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 357 | 0.17 |
| 18 | 2856 | 1.33 |
| 19 | 10353 | 4.82 |
| 20 | 12852 | 5.99 |
| 21 | 8568 | 3.99 |
| 22 | 6426 | 2.99 |
| 23 | 1785 | 0.83 |
| 24 | 1785 | 0.83 |
| 25 | 2856 | 1.33 |
| 26 | 3213 | 1.50 |
| 27 | 5184 | 2.41 |
| 28 | 9576 | 4.46 |
| 29 | 14682 | 6.84 |
| 30 | 44232 | 20.60 |
| 31 | 44589 | 20.77 |
| 32 | 32592 | 15.18 |
| 33 | 12804 | 5.66 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 214710 | 100.0 |

CARANX RHCNCHUS

VARIANCE: 13.50 ECART TYPE: 3.67 TAILLE MOYENNE: 27.8

| LF | FREQUENCE | Σ FFEC. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 0 | 0.0 |
| 18 | 0 | 0.0 |
| 19 | 560 | 0.79 |
| 20 | 2520 | 3.57 |
| 21 | 3640 | 5.16 |
| 22 | 1960 | 2.78 |
| 23 | 1680 | 2.38 |
| 24 | 3080 | 4.37 |
| 25 | 5600 | 7.94 |
| 26 | 12040 | 17.06 |
| 27 | 8680 | 12.30 |
| 28 | 5320 | 7.54 |
| 29 | 5880 | 8.33 |
| 30 | 4760 | 6.75 |
| 31 | 3920 | 5.56 |
| 32 | 4760 | 6.75 |
| 33 | 3360 | 4.76 |
| 34 | 1960 | 2.78 |
| 35 | 560 | 0.79 |
| 36 | 280 | 0.40 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 70560 | 100.0 |

CARANX

RHENCHUS

VARIANCE: 7.79 ECART TYPE: 2.79 TAILLE MOYENNE: 26.6

| LF | FREQUENCE | % FFIL. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 0 | 0.0 |
| 17 | 949 | 0.16 |
| 18 | 944 | 0.16 |
| 19 | 949 | 0.16 |
| 20 | 1893 | 0.31 |
| 21 | 18930 | 3.14 |
| 22 | 42442 | 7.04 |
| 23 | 71382 | 11.84 |
| 24 | 67703 | 11.23 |
| 25 | 61563 | 10.22 |
| 26 | 38420 | 6.38 |
| 27 | 68823 | 11.42 |
| 28 | 109129 | 18.11 |
| 29 | 38700 | 6.42 |
| 30 | 61945 | 10.28 |
| 31 | 18878 | 3.13 |
| 32 | 0 | 0.0 |
| 33 | 0 | 0.0 |
| 34 | 0 | 0.0 |
| 35 | 0 | 0.0 |
| 36 | 0 | 0.0 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 602650 | 100.0 |

CARANX FHCNCHUS

VARIANCE: 8.90 ECART TYPE: 2.98 TAILLE MOYENNE: 29.4

| LF | FREQUENCE | % FREQ. |
|-------|-----------|---------|
| 7 | 0 | 0.0 |
| 8 | 0 | 0.0 |
| 9 | 0 | 0.0 |
| 10 | 0 | 0.0 |
| 11 | 0 | 0.0 |
| 12 | 0 | 0.0 |
| 13 | 0 | 0.0 |
| 14 | 0 | 0.0 |
| 15 | 0 | 0.0 |
| 16 | 11167 | 0.37 |
| 17 | 1306 | 0.04 |
| 18 | 3800 | 0.12 |
| 19 | 11862 | 0.39 |
| 20 | 17265 | 0.57 |
| 21 | 31138 | 1.02 |
| 22 | 61995 | 2.03 |
| 23 | 86014 | 2.82 |
| 24 | 72568 | 2.38 |
| 25 | 92353 | 3.03 |
| 26 | 109508 | 3.59 |
| 27 | 140286 | 4.60 |
| 28 | 399677 | 13.12 |
| 29 | 505963 | 16.60 |
| 30 | 618992 | 20.31 |
| 31 | 378197 | 12.41 |
| 32 | 333683 | 10.95 |
| 33 | 102814 | 3.37 |
| 34 | 54305 | 1.78 |
| 35 | 14090 | 0.46 |
| 36 | 280 | 0.01 |
| 37 | 0 | 0.0 |
| 38 | 0 | 0.0 |
| 39 | 0 | 0.0 |
| 40 | 0 | 0.0 |
| 41 | 0 | 0.0 |
| 42 | 0 | 0.0 |
| 43 | 0 | 0.0 |
| 44 | 0 | 0.0 |
| 45 | 0 | 0.0 |
| 46 | 0 | 0.0 |
| 47 | 0 | 0.0 |
| 48 | 0 | 0.0 |
| 49 | 0 | 0.0 |
| 50 | 0 | 0.0 |
| TOTAL | 3047263 | 100.0 |