

Effet du changement de maillage sur la production de Scyliorhinus canicula (Linnaeus, 1758) dans le bassin algérien

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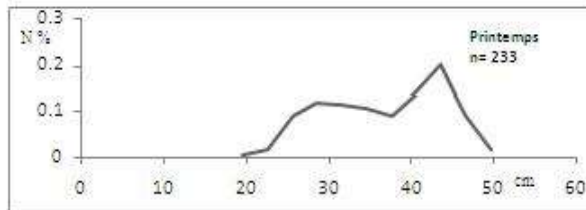
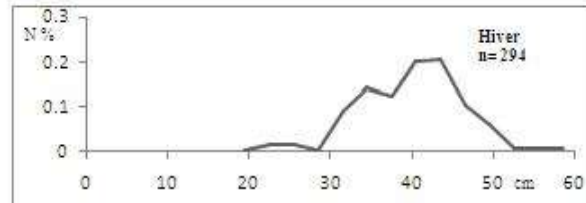


Length distribution frequencies according to the gender and seasons (western region).

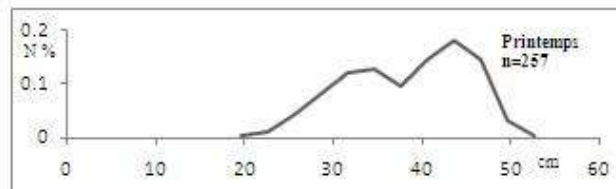
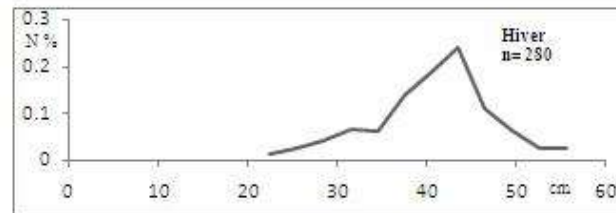
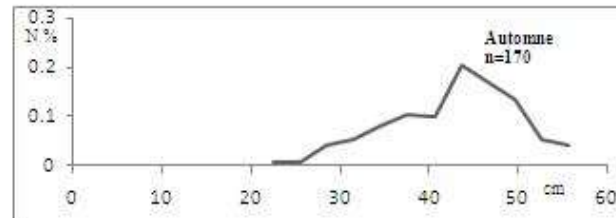
Région Ouest								
cc	Femelles				Mâles			
	Autumn	Winter	Spring	Total	Autumn	Winter	Spring	Total
19.5	0	1	1	2	0	0	1	1
22.5	0	5	4	9	1	4	3	8
25.5	3	5	21	29	1	7	11	19
28.5	15	1	28	44	7	12	21	40
31.5	15	27	27	69	9	19	31	59
34.5	24	43	25	92	14	18	33	65
37.5	16	37	21	74	18	39	25	82
40.5	29	60	34	123	17	52	38	107
43.5	21	61	47	129	35	67	47	149
46.5	20	30	21	71	29	31	38	98
49.5	17	18	4	39	23	17	8	48
52.5	2	2	0	4	9	7	1	17
55.5	0	2	0	2	7	7	0	14
58.5	0	2	0	2	0	0	0	0
Total	162	294	233	689	170	280	257	707

Length distribution frequencies according to the gender and seasons (central region).

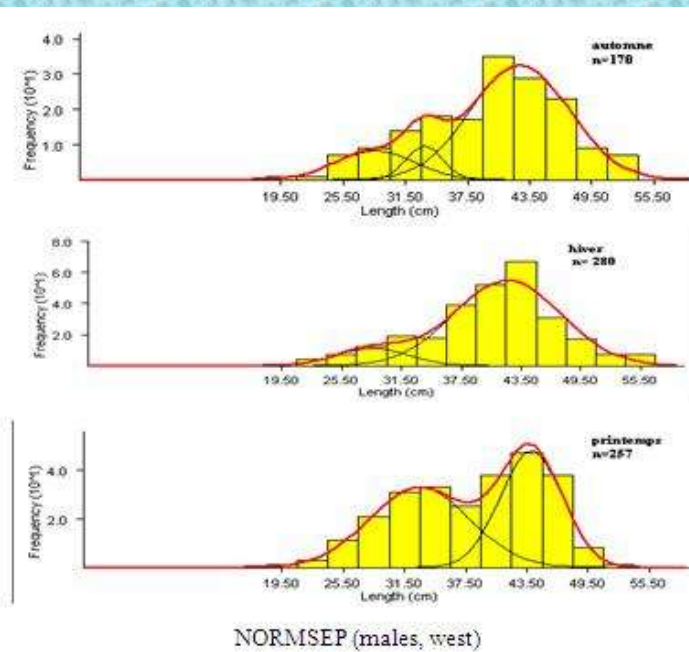
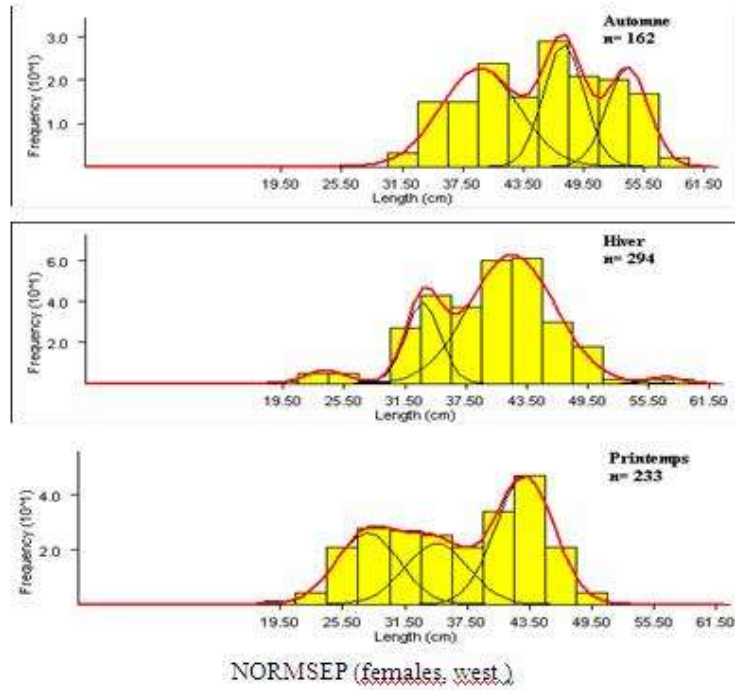
Région Centre				
cc	Autumn	Winter	Spring	Total
13.5	1	0	0	1
16.5	1	0	1	2
19.5	4	0	3	7
22.5	15	0	0	15
25.5	12	1	3	16
28.5	10	2	0	12
31.5	10	1	1	12
34.5	9	7	0	16
37.5	4	5	0	9
40.5	3	10	1	14
43.5	0	2	2	4
46.5	0	6	4	10
49.5	0	0	5	5
52.5	0	2	3	5
55.5	0	0	1	1
Total	69	36	24	129



Length frequencies distribution (females, west)



Length frequencies distribution (males, west)

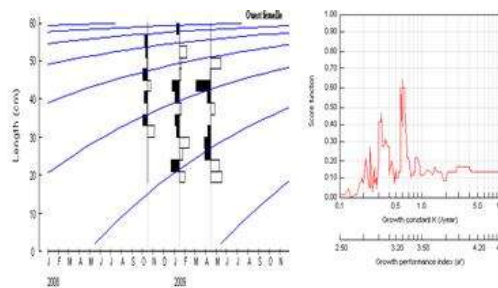


Cle age-longueur obtenue par la méthode NORMSEP (par saison et par sexe)

Sexes	Age Saison	II	III	IV	V	VI	VII
Femelles	Automne	-	-	39.21	47.54	53.88	-
	Hiver	23.7	33.28	42.05	-	-	57.13
	Printemps	27.93	34.57	43.05	-	-	-
	Moyenne	25.82	33.93	41.44	47.54	53.88	57.13
	Automne	28.57	33.32	42.57	-	-	-
	Hiver	28.61	-	42.13	-	-	-
	Printemps	-	32.98	-	43.94	-	-
	moyenne	28.59	33.15	42.35	43.94	-	-

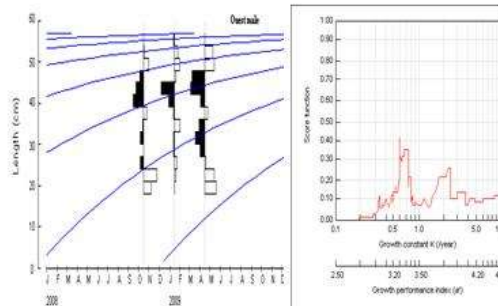
Growth parameters estimate by NORMSEP

Paramètre	L_{∞} (cm)	K (an)	L max (cm)	L max / 0.95 (cm)
Femelles	75.02	0.2	57.5	60.53
Mâles	53.02	0.37	56	58.95



Growth curves given by ELEFANI program (females)

W(z):



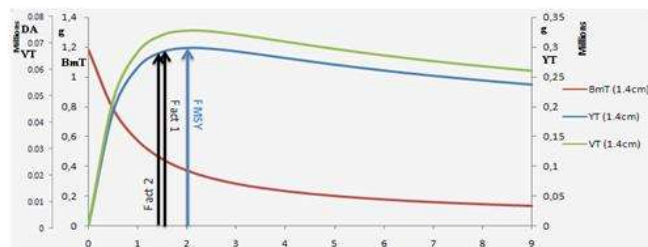
Growth curves given by ELEFANI program (males West)

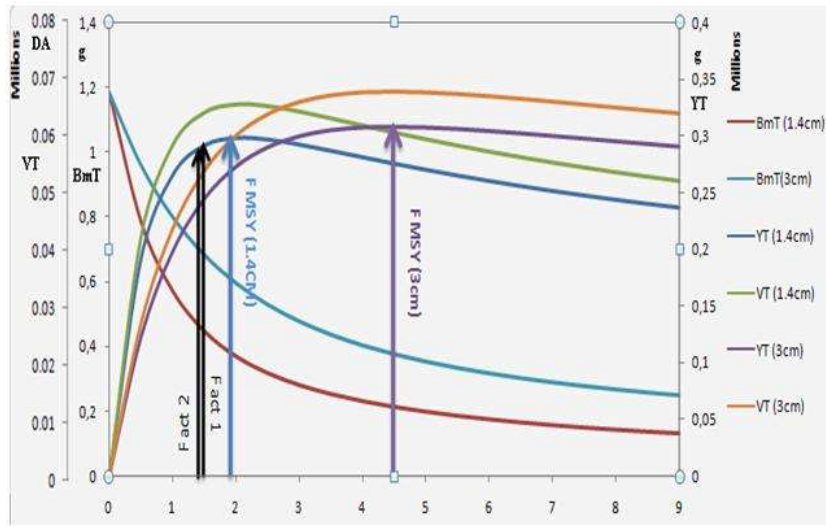
Parameters values given by Normsep and Elefan

Parameters		L_{∞} (cm)	K (an)	L max (cm)	L max / 0.95 (cm)
r					
(NORMSEP)	Females	56.96	0.42	57.5	60.53
	Mâles	43.79	0.94	56	58.95
Présente étude (ELEFAN I)	Femelles	61.43	0.6	57.5	60.53
	Mâles	58.28	0.6	56	58.95
Ait Daoud (1997)		89.95	0.119	57	60
Fishbase.org (atlantique nord)		88.00	0.20	100	-
Fishbase.org (méditerranée)		56.58	0.53	-	-



Facteur de F (X)	Production totale $YT=Y(A) - Y(B)$	Biomasse totale BmT	Valeur totale VT
0	0	1180440.47	0
0.5	191565.087	784849.294	47891.2718
1	265134.247	571716.74	66283.5618
1.5	291141.635	448152.943	72785.4087
2	297739.66	371035.369	74434.915
2.5	296447.801	319388.048	74111.9503
3	292056.701	282537.418	73014.1751
3.5	28576.912	254800.514	71644.2279
4	280832.273	233006.96	70213.0683
4.5	276231.432	215300.674	68807.858
5	269851.239	200540.423	67462.8097
5.5	264737.602	187989.828	66189.4008
6	259937.458	177151.6	64989.3645
6.5	255441.297	167675.787	63860.3243
7	251193.03	159307.12	62798.2574
7.5	247194.359	151853.673	61798.5897
8	243426.756	145167.462	60856.689
8.5	239872.358	139132.005	59968.0895
9	236514.376	133654.029	59128.594





Production, value and biomass for different Factors X F pour les deux sexes selon le maillage
(1.4 et 3cm) pour *Scenicula*



