

AmP parameter estimation

Classification of *Squalus acanthias*

Phylum:	Chordata
Class:	Chondrichthyes
Order:	Squaliformes
Family:	Squalidae
Scientific name:	<i>Squalus acanthias</i>
English name:	Spurdog

Zero-variate data for *Squalus acanthias*

code	value	unit	label	temp °C	bibkey*
ab	690	d	age at birth	9	JoneGeen1977
tp	2190	d	time since birth at puberty	9	Avsa2001
am	29200	d	life span	9	Steh2007
Lb	24	cm	total length at birth	-	JoneGeen1977
Lp	72	cm	total length at puberty	-	Avsa2001
Li	136	cm	ultimate total length	-	Avsa2001
Ww0	35	g	wet weight at start (egg)	-	YigiIsme2013
Wwp	950	g	wet weight at puberty	-	Avsa2001
Wwi	9900	g	ultimate wet weight	-	Avsa2001
Ri	0.019	#/d	maximum reprod rate	9	Avsa2001

References

- [Avsar2001] D. Avsar. 2001. Age, Growth, Reproduction and Feeding of the Spurdog (*Squalus acanthias* Linnaeus, 1758) in the South-eastern Black Sea Estuarine, Coastal and Shelf. Science, 52: 269-278
- [JoneGeen1977] Jones, B. C. and Geen, G. H. 1977. Reproduction and Embryonic Development of Spiny Dogfish (*Squalus acanthias*) in the Strait of Georgia, British Columbia. J Fish Res Board Can, 34: 1286-1292
- [Steh2007] L. L. Stehlik. 1972. Spiny Dogfish, *Squalus acanthias*, Life History and Habitat Characteristics. NOAA Technical Memorandum, NMFS-NE-203
- [YigiIsme2013] Yigin, C.C. and Ismen, A. 2013. Reproductive Biology of Spiny Dogfish *Squalus acanthias*, in the North Aegean Sea. Turkish Journal of Fisheries and Aquatic Sciences, 13:169-177

EcoCodes for *Squalus acanthias*

climate	MB, MC	subtropical: average surface temp (SST) >15 °C, < 25 °C temperate: average surface temp (SST) >5 °C, < 15 °C
ecozone	MAN, MAm, MAS	Atlantic ocean, N; Mediterranean Sea; Atlantic ocean, S
habitat	0iMcd	marine coastal demersal
embryo	Mv	(ovo)viviparous, born in marine water
migrate	Mo	oceanodromous: live and migrate wholly in the sea
food	biCi, biCvf	living invertebrates (Ci) and living vertebrates (Cvf) from birth to ultimate size (bi)
gender	D	dioecy (either male or female, also called gonochoric)
reprod	O	homogamy (no alternating generations, fertilisation obligatory)

Uni-variate data for *Squalus acanthias*

Length (cm) – embryo number (#)

72.0	2.5
77.0	2.8
82.0	3.2
87.0	3.3
92.0	4.1
97.0	4.7
102.0	6.6
107.0	7.0
112.0	9.0
117.0	11.4
122.0	13.1
127.0	14.0
132.0	14.0
137.0	14.0