

Life history parameters for blue shark (BSH) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Prionace glauca</i> (BSH)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat}$ (♂)		230-249 TL	
$L_{50}$ (♂)	203 TL	239 TL	201-225 TL
$T_{mat}$ (♂)		5	
$T_{50}$ (♂)	4.9		6.5-7
$L_{mat}$ (♀)		221 TL	
$L_{50}$ (♀)	215 TL		194-228 TL
$T_{mat}$ (♀)		5	
$T_{50}$ (♀)	5.5	6	6-7
Cycle		1	1
GP (months)		9-12	9-12
$L_0$		55 TL	56 TL
Mean LS		39	34
Min LS		1	1
Max LS		96	94
<b>Age &amp; Growth</b>			
$L_{inf}$ (♀)	401 TL	371 TL	293-335 TL
$k$ (♀)	0.13	0.13	0.11-0.183
$T_0 / L_0$ (♀)	-0.62	-1.77	-2.19
$T_{max}$ (♀)	12*	15	12-16
$L_{inf}$ (♂)	401 TL	338 TL	295-311 TL
$k$ (♂)	0.13	0.18	0.14-0.149
$T_0 / L_0$ (♂)	-0.62	-1.35	-1.3
$T_{max}$ (♂)		16	13-14
<b>Tagging &amp; movement</b>			
Conventional		yes	yes
Archival		yes	yes
Acoustic		yes	
<b>Conversion Factors</b>			
Length-length [cm]	$TL=1.176FL+4.1$	$FL=0.8313TL+1.3908$	$TL=1.201FL+1.613$
Length-weight (b) [cm,kg]	$LT=74.6Wd^{0.307}$	$W=3.18E-06TL^3.1313$	
Length-weight (♀) [cm,kg]		$W=1.30E-06TL^3.2$	$W=1.1E-06FL^3.35$
Length-weight (♂) [cm,kg]		$W=3.90E-07TL^3.41$	$W=2.2E-06FL^3.189$

Life history parameters for shortfin mako (SMA) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Isurus oxyrinchus</i> (SMA)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat}$ (♂)			
$L_{50}$ (♂)		180-185 FL	
$T_{mat}$ (♂)			
$T_{50}$ (♂)		8	
$L_{mat}$ (♀)			
$L_{50}$ (♀)		275-298 FL	
$T_{mat}$ (♀)			
$T_{50}$ (♀)		18	
Cycle		3	
GP (months)		15-18	
$L_0$		70 FL	
Mean LS		12.5	
Min LS		2	
Max LS		30	
<b>Age &amp; Growth</b>			
$L_{inf}$ (♀)		393 FL	244 FL*
$k$ (♀)		0.054	
$T_0 / L_0$ (♀)		70 FL	
$T_{max}$ (♀)		32	28
$L_{inf}$ (♂)		252 FL	261 FL*
$k$ (♂)		0.128	
$T_0 / L_0$ (♂)		70 FL	
$T_{max}$ (♂)		29	18
<b>Tagging &amp; movement</b>			
Conventional		yes	yes
Archival		yes	
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]	TL=1.136FL-2.5	FL=0.9286TL-1.7101	TL=1.127FL+0.358
Length-weight (b) [cm,kg]		W=5.2432E-06FL <sup>3.1407</sup>	W=3.1142E-05FL <sup>2.7243</sup>
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			
* Derived by the Schnute model			

Life history parameters for porbeagle (POR) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Lamna nasus</i> (POR)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\sigma)$		162-185 FL	164 TL
$L_{50} (\sigma)$		174 FL	147 TL
$T_{mat} (\sigma)$		7	
$T_{50} (\sigma)$			
$L_{mat} (\varphi)$		210-230 FL	
$L_{50} (\varphi)$		218 FL	
$T_{mat} (\varphi)$		14	
$T_{50} (\varphi)$			
Cycle		1	
GP (months)		8-9	
$L_0$		71 FL	66-67 TL
Mean LS		4	
Min LS		3	2
Max LS		6	4
<b>Age &amp; Growth</b>			
$L_{inf} (\varphi)$		267-309 FL	
$k (\varphi)$		0.061-0.11	
$T_0 / L_0 (\varphi)$		-5.9 -5.39	
$T_{max} (\varphi)$		20-24	
$L_{inf} (\sigma)$		267-289 FL	
$k (\sigma)$		0.07-0.11	
$T_0 / L_0 (\sigma)$		-6.06 -5.39	
$T_{max} (\sigma)$		25	
<b>Tagging &amp; movement</b>			
Conventional		yes	yes
Archival		yes	
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		FL=0.8971TL+1.7939	TL=1.147FL+0.742
Length-weight (b) [cm,kg]		W=1.4823E-05FL^2.9641	
Length-weight ( $\varphi$ ) [cm,kg]			
Length-weight ( $\sigma$ ) [cm,kg]			

## Appendix 8.

Life history parameters for bigeye thresher (BTH) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Alopias superciliosus</i> (BTH)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\sigma)$			
$L_{50} (\sigma)$		160 FL	160 FL
$T_{mat} (\sigma)$			
$T_{50} (\sigma)$			
$L_{mat} (\varphi)$			
$L_{50} (\varphi)$		206-209 FL	209 FL
$T_{mat} (\varphi)$			
$T_{50} (\varphi)$		13.5	
Cycle		1	
GP (months)			
$L_0$			
Mean LS		2	
Min LS		1	
Max LS		4	
<b>Age &amp; Growth</b>			
$L_{inf} (\varphi)$		293 FL	489 TL
$k (\varphi)$		0.06	0.065
$T_0 / L_0 (\varphi)$		111 FL	-5.04
$T_{max} (\varphi)$		22	19
$L_{inf} (\sigma)$		206 FL	451 TL
$k (\sigma)$		0.18	0.073
$T_0 / L_0 (\sigma)$		93 FL	-4.65
$T_{max} (\sigma)$		17	18
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival		yes	
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		FL=0.58TL+4.38	
Length-weight (b) [cm,kg]		W=9.1069E-06FL^3.0802	W=8.618E-06FL^2.998
Length-weight ( $\varphi$ ) [cm,kg]			
Length-weight ( $\sigma$ ) [cm,kg]			

Life history parameters for common thresher (ALV) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Alopias vulpinus</i> (ALV)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat}$ (♂)			
$L_{50}$ (♂)			
$T_{mat}$ (♂)		8	
$T_{50}$ (♂)			
$L_{mat}$ (♀)		384 TL	
$L_{50}$ (♀)			
$T_{mat}$ (♀)		6	
$T_{50}$ (♀)		6	
Cycle		1	
GP (months)			
$L_0$			
Mean LS		4	4
Min LS		2	4
Max LS		7	4
<b>Age &amp; Growth</b>			
$L_{inf}$ (♀)		483 TL	
$k$ (♀)		0.11	
$T_0 / L_0$ (♀)		121 TL	
$T_{max}$ (♀)		24	
$L_{inf}$ (♂)		410 TL	
$k$ (♂)		0.16	
$T_0 / L_0$ (♂)		121 TL	
$T_{max}$ (♂)		22	
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival			
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]	TL=20. 2+1.707FL	FL=0.5474TL+7.0262	
Length-weight (b) [cm,kg]	TL=69.7DW^0.351	W=1.8821E-04FL^2.5188	
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			

Life history parameters for silky shark (FAL) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Carcharhinus falciformis</i> (FAL)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\sigma)$		225 TL	180-205 TL
$L_{50} (\sigma)$			
$T_{mat} (\sigma)$			
$T_{50} (\sigma)$		10	
$L_{mat} (\text{♀})$		232-245 TL	205-210 TL
$L_{50} (\text{♀})$		9.5	12.5
$T_{mat} (\text{♀})$			
$T_{50} (\text{♀})$			
Cycle		2	2
GP (months)		8-12	
$L_0$		76 TL	
Mean LS		11	9.6
Min LS		2	4
Max LS		15	25
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$		315 TL	303 FL
$k (\text{♀})$		0.09	0.086
$T_0 / L_0 (\text{♀})$		-3.18	-4.71
$T_{max} (\text{♀})$		22	20
$L_{inf} (\sigma)$		310 TL	
$k (\sigma)$		0.098	
$T_0 / L_0 (\sigma)$		-3.05	
$T_{max} (\sigma)$		20	
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival		yes	
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		FL=0.8388TL-2.651	
Length-weight (b) [cm,kg]		W=1.5406E-05FL^2.9221	
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			

## Appendix 11

Life history parameters for oceanic whitetip shark (OCS) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Carcharhinus longimanus</i> (OCS)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\text{♂})$			160-196 TL
$L_{50} (\text{♂})$			
$T_{mat} (\text{♂})$			6-7
$T_{50} (\text{♂})$			
$L_{mat} (\text{♀})$		180 FL	160-203 TL
$L_{50} (\text{♀})$			
$T_{mat} (\text{♀})$			6-7
$T_{50} (\text{♀})$			
Cycle			1
GP (months)			10-12
$L_0$		65 TL	70 TL
Mean LS			5.4
Min LS		2	1
Max LS		15	14
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$			285 TL
$k (\text{♀})$			0.099
$T_0 / L_0 (\text{♀})$			-3.391
$T_{max} (\text{♀})$			17
$L_{inf} (\text{♂})$			
$k (\text{♂})$			
$T_0 / L_0 (\text{♂})$			
$T_{max} (\text{♂})$			
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival		yes	
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]			$TL = 1.13477FL + 12.53738$
Length-weight (b) [cm,kg]		$DW=4.27517E-04TL^2.1414$	$DW=3E-05TL^2.6907$
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			

Life history parameters for dusky shark (DUS) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Carcharhinus obscurus</i> (DUS)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\sigma)$			
$L_{50} (\sigma)$		226 FL	
$T_{mat} (\sigma)$			
$T_{50} (\sigma)$		17.4	
$L_{mat} (\phi)$			
$L_{50} (\phi)$		227 FL	
$T_{mat} (\phi)$			
$T_{50} (\phi)$		17.6	
Cycle			
GP (months)			
$L_0$			
Mean LS			
Min LS			
Max LS			
<b>Age &amp; Growth</b>			
$L_{inf} (\phi)$		329-349 FL	
$k (\phi)$		0.039	
$T_0 / L_0 (\phi)$		-7.04 -5.41 / 82 FL	
$T_{max} (\phi)$		33+	
$L_{inf} (\sigma)$		373-432 FL	
$k (\sigma)$		0.038	
$T_0 / L_0 (\sigma)$		-7.11 -6.28 / 83 FL	
$T_{max} (\sigma)$		25+	
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival		yes	
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		FL=0.8396TL-3.1902	
Length-weight (b) [cm,kg]		W=3.2415E-05FL <sup>2.786</sup>	
Length-weight ( $\phi$ ) [cm,kg]			
Length-weight ( $\sigma$ ) [cm,kg]			



Life history parameters for sandbar shark (CCP) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Carcharhinus plumbeus</i> (CCP)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\text{♂})$	154-160 TL		
$L_{50} (\text{♂})$		152 FL	
$T_{mat} (\text{♂})$			
$T_{50} (\text{♂})$		13.1	
$L_{mat} (\text{♀})$	160-172 TL		
$L_{50} (\text{♀})$		155 FL	
$T_{mat} (\text{♀})$			
$T_{50} (\text{♀})$		14.1	
Cycle	2	2-3	2-3
GP (months)	12	12	12
$L_0$	45-65	35-55 FL	
Mean LS	6.9	8.4	8.6
Min LS	4	1	7
Max LS	10	14	10
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$		181 FL	
$k (\text{♀})$		0.12	
$T_0 / L_0 (\text{♀})$		-2.33	
$T_{max} (\text{♀})$		27	
$L_{inf} (\text{♂})$		173 FL	
$k (\text{♂})$		0.15	
$T_0 / L_0 (\text{♂})$		-3.09	
$T_{max} (\text{♂})$		22	
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival			
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		FL=0.8175TL+2.5675	
Length-weight (b) [cm,kg]		W=1.0885E-05FL^3.0124	
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			

Life history parameters for night shark (CCS) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Carcharhinus signatus</i> (CCS)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\text{♂})$			185-190 TL
$L_{50} (\text{♂})$			
$T_{mat} (\text{♂})$			8
$T_{50} (\text{♂})$			
$L_{mat} (\text{♀})$			200-205 TL
$L_{50} (\text{♀})$			
$T_{mat} (\text{♀})$			10
$T_{50} (\text{♀})$			
Cycle			
GP (months)			
$L_0$		65 TL	67 TL
Mean LS			
Min LS		4	4
Max LS		20	15
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$			265 TL
$k (\text{♀})$			0.114
$T_0 / L_0 (\text{♀})$			-2.695
$T_{max} (\text{♀})$			17*
$L_{inf} (\text{♂})$			256 TL
$k (\text{♂})$			0.124
$T_0 / L_0 (\text{♂})$			-2.538
$T_{max} (\text{♂})$			
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival			
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		FL=0.839TL+0.5026	TL=1.188FL+3.862
Length-weight (b) [cm,kg]		W=2.9206E-06FL^3.2473	
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			
* No sex specified			

Life history parameters for tiger shark (TIG) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Galeocerdo cuvier</i> (TIG)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\text{♂})$		258 FL	
$L_{50} (\text{♂})$			
$T_{mat} (\text{♂})$		10	
$T_{50} (\text{♂})$			
$L_{mat} (\text{♀})$		265 FL	
$L_{50} (\text{♀})$			
$T_{mat} (\text{♀})$		10	
$T_{50} (\text{♀})$			
Cycle		2	
GP (months)		12	
$L_0$			
Mean LS		55	
Min LS		24	
Max LS		56	
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$		347 FL	
$k (\text{♀})$		0.124	
$T_0 / L_0 (\text{♀})$		62 FL	
$T_{max} (\text{♀})$		22	
$L_{inf} (\text{♂})$		330 FL	
$k (\text{♂})$		0.131	
$T_0 / L_0 (\text{♂})$		62 FL	
$T_{max} (\text{♂})$		20	
<b>Tagging &amp; movement</b>			
Conventional		yes	yes
Archival		yes	yes
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		FL=0.8761TL-13.3535	
Length-weight (b) [cm,kg]		W=2.5281E-06FL^3.2603	
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			

Life history parameters for longfin mako (LMA) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Isurus paucus</i> (LMA)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\text{♂})$			
$L_{50} (\text{♂})$			
$T_{mat} (\text{♂})$			
$T_{50} (\text{♂})$			
$L_{mat} (\text{♀})$		245 TL	
$L_{50} (\text{♀})$			
$T_{mat} (\text{♀})$			
$T_{50} (\text{♀})$			
Cycle			
GP (months)			
$L_0$		92	
Mean LS			
Min LS		1	
Max LS		4	
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$			
$k (\text{♀})$			
$T_0 / L_0 (\text{♀})$			
$T_{max} (\text{♀})$			
$L_{inf} (\text{♂})$			
$k (\text{♂})$			
$T_0 / L_0 (\text{♂})$			
$T_{max} (\text{♂})$			
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival			
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]			
Length-weight (b) [cm,kg]			
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			

## Appendix 17

Life history parameters for scalloped hammerhead shark (SPL) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Sphyrna lewini</i> (SPL)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\text{♂})$		180 TL	180-200 TL
$L_{50} (\text{♂})$			
$T_{mat} (\text{♂})$			
$T_{50} (\text{♂})$			
$L_{mat} (\text{♀})$		250 TL	204-240 TL
$L_{50} (\text{♀})$			
$T_{mat} (\text{♀})$			
$T_{50} (\text{♀})$		15	15
Cycle		1	1
GP (months)		12	10
$L_0$		38-45 TL	
Mean LS		24	18.5
Min LS		2	2
Max LS		28	22
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$		302 TL	300 TL
$k (\text{♀})$		0.09	0.05
$T_0 / L_0 (\text{♀})$		-2.22	51 TL
$T_{max} (\text{♀})$		30.5	31.5
$L_{inf} (\text{♂})$		279 TL	
$k (\text{♂})$		0.13	
$T_0 / L_0 (\text{♂})$		-1.62	
$T_{max} (\text{♂})$		30.5	
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival		yes	
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		$TL=1.296FL+0.516$	
Length-weight (b) [cm,kg]		$W=7.7745E-06FL^3.0669$	$W=0.002257TL^3.16^*$
Length-weight (♀) [cm,kg]			$W=0.002555TL^3.13^*$
Length-weight (♂) [cm,kg]			$W=0.001945TL^3.19^*$

Life history parameters for smooth hammerhead shark (SPZ) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Sphyrna zygaena</i> (SPZ)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\text{♂})$			
$L_{50} (\text{♂})$			
$T_{mat} (\text{♂})$			
$T_{50} (\text{♂})$			
$L_{mat} (\text{♀})$			
$L_{50} (\text{♀})$			
$T_{mat} (\text{♀})$			
$T_{50} (\text{♀})$			9
Cycle			
GP (months)			1
$L_0$		50 TL	49-55 TL
Mean LS			33.5
Min LS		29	18
Max LS		37	27
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$			285 FL
$k (\text{♀})$			0.07
$T_0 / L_0 (\text{♀})$			-7.3
$T_{max} (\text{♀})$			18
$L_{inf} (\text{♂})$			272 FL
$k (\text{♂})$			0.06
$T_0 / L_0 (\text{♂})$			-9.4
$T_{max} (\text{♂})$			21
<b>Tagging &amp; movement</b>			
Conventional		yes	
Archival		yes	
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		FL = 0.84TL+12.72	TL=1.279FL
Length-weight (b) [cm,kg]		W=2.60995E-05FL^2.7088**	W=0.011697TL^2.77*
Length-weight (♀) [cm,kg]			W=0.016206TL^2.70*
Length-weight (♂) [cm,kg]			W=0.008508TL^2.84*

Life history parameters for great hammerhead shark (SPK) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Sphyrna mokarran</i> (SPK)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat}$ (♂)			
$L_{50}$ (♂)			
$T_{mat}$ (♂)			
$T_{50}$ (♂)			
$L_{mat}$ (♀)		> 300 TL	▼
$L_{50}$ (♀)			
$T_{mat}$ (♀)			
$T_{50}$ (♀)		20	
Cycle		1	▼
GP (months)		11	▼
$L_0$		67 TL	▼
Mean LS		15	▼
Min LS		13	▼
Max LS		21	▼
<b>Age &amp; Growth</b>			
$L_{inf}$ (♀)		308 FL	▼
$k$ (♀)		0.11	▼
$T_0 / L_0$ (♀)		-2.86	▼
$T_{max}$ (♀)		44	▼
$L_{inf}$ (♂)		264 FL	▼
$k$ (♂)		0.16	▼
$T_0 / L_0$ (♂)		-1.99	▼
$T_{max}$ (♂)		42	▼
<b>Tagging &amp; movement</b>			
Conventional		yes	▼
Archival		yes	▼
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]		$TL=1.2533FL+3.472$	▼
Length-weight (b) [cm,kg]			
Length-weight (♀) [cm,kg]			
Length-weight (♂) [cm,kg]			

Life history parameters for pelagic stingray (PLS) in three regions (AN=North Atlantic, AS=South Atlantic, MED=Mediterranean).

	<i>Pteroplatytrygon violacea</i> (PLS)		
	MED	AN	AS
<b>Reproduction</b>			
$L_{mat} (\text{♂})$		40-50 DW	34-44 DW
$L_{50} (\text{♂})$			
$T_{mat} (\text{♂})$			
$T_{50} (\text{♂})$			
$L_{mat} (\text{♀})$		40-50 DW	45-46 DW
$L_{50} (\text{♀})$			
$T_{mat} (\text{♀})$			
$T_{50} (\text{♀})$		3	3
Cycle	1	0.5	1
GP (months)	4		2-4
$L_0$	16-19.5 DW		
Mean LS		6	4
Min LS	2		1
Max LS	7		7
<b>Age &amp; Growth</b>			
$L_{inf} (\text{♀})$		116 DW	
$k (\text{♀})$		0.2	
$T_0 / L_0 (\text{♀})$		17 DW	
$T_{max} (\text{♀})$		12	10
$L_{inf} (\text{♂})$			
$k (\text{♂})$			
$T_0 / L_0 (\text{♂})$			
$T_{max} (\text{♂})$			8
<b>Tagging &amp; movement</b>			
Conventional			
Archival			
Acoustic			
<b>Conversion Factors</b>			
Length-length [cm]			
Length-weight (b) [cm,kg]			$W=0.0273DW^{2.9518}$
Length-weight (♀) [cm,kg]			$W=0.0219DW^{3.0056}$
Length-weight (♂) [cm,kg]			$W=0.0279DW^{2.9469}$