

Co-occurrence and habitat use of fin whales, striped dolphins and Atlantic bluefin tuna in the Northwestern Mediterranean Sea

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Supporting material

Table A Literature values on fin whale sighting rates (per km) and density (per km²) estimates from the western Mediterranean Sea, all uncorrected for availability bias. (* Total study area)

Study	Survey years	Period	Region	Platform	Effort	SR schools	SR	School size	D
Forcada et al. [1]	1991	August	Western Mediterranean	shipboard	6852	0.063		1.44	0.024
Forcada et al. [2]	1992	August	Western Ligurian Sea	shipboard	1151.8	0.041		1.5	0.016
Gannier [3]	1991-1994	July–August	Provençal shelf	shipboard	4400		0.011	1.53	0.009
			Ligurian Sea				0.021		0.017
			Corsican shelf				0.013		0.011
			Ligurian-Provençal Basin*						0.015
Gannier [4]	1998	winter	Ligurian Sea	shipboard			0.003		
		spring					0.005		
		summer (June–September)					0.041		
Gannier et al. [5]	1998	August	Gulf of Lions	shipboard			0.002	1.4*	
			Ligurian Sea				401.9		
Laran et al. [6]	2001-2004	April	Ligurian Sea	shipboard			0.026	1.5 (1.3-1.9)	
		July-August					0.044-0.056		
Laran et al. [7]	2001-2004	Winter (October–March)	Ligurian-Provençal	shipboard				1.1	0.002
		Summer (April–September)					3967	1.6	0.014
Lauriano et al. [8]	2008	August	Ligurian-Provençal	shipboard	1255	0.010		1.08	
Panigada et al. [9]	2009	Winter	Ligurian Sea	plane	8144.5	0.0001	0.0001	1	
		Summer			8446.9	0.002	0.002	1	0.002

Table B Literature values on striped dolphin sighting rates (per km) and density (per km²) estimates from the western Mediterranean Sea, all uncorrected for availability bias, except estimates from Gómez De Segura et al. [10]. (* Total study area)

Study	Survey Years	Period	Region	Platform	Effort	SR schools	SR	School size	D
Forcada et al. [11]	1991	August–September	Western Mediterranean	shipboard	6852	0.024		19.7	0.20
			Balearic Sea				0.014	17.2	0.09
			Provencal basin				0.034	13.0	0.23
Forcada et al. [12]	1991	August–September	Ligurian Sea	shipboard	6852		0.042	14.2	0.30
			Alboran Sea				0.014	42.8	0.20
			South Balearic				0.016	10.1	0.08
	1992	June	Alboran Sea		992		0.009	20.2	
Forcada et al. [2]	1992	August	Western Ligurian Sea	shipboard	1151.8	0.058		22.5	0.44
Gannier [13]	1996	Summer	Ligurian Sea	shipboard	1398.3		0.04	16.4	0.56
			Ligurian Sea (Near-Shore)		1267		1.46	18.1	
Gannier [14]	1989-1997		Ligurian Sea (Slope)	shipboard	1793		0.73	16.7	
			Ligurian Sea (Offshore)		1151		1.43	22.1	
			Ligurian Sea (Open Sea)		858		2.32	22.2	
Gannier [4]	1998		Ligurian Sea	shipboard			0.79		
Gannier et al. [5]	1998	August	Gulf of Lions	shipboard	405.6		0.35		
			Ligurian Sea		401.9		0.67	19.5*	
			NW Mediterranean		4824	0.0324	0.76	23.3	
			SW Mediterranean		2156	0.0187	0.37	19.8	
			Alboran Sea		1065	0.0366	1.11	30.2	
Gannier [15]	1997-2001		NW Tyrrhenian Sea	shipboard	663	0.0181	0.53	29.2	
			SW Tyrrhenian Sea		1583	0.0158	0.40	25.4	
			Ionian Sea		2576	0.0109	0.33	30.7	
			Levantine Basin		580	0.0107	0.14	13.3	
Fortuna et al. [16]	2002	July			542				0.26
	2003	May	Southern Tyrrhenian Sea	shipboard	1011		0.04	15.1	0.30
		total period (May–March)			16754				0.489
Gómez De Segura et al. [10]	2001–2003	Winter (January–March)	Western Mediterranean Sea (Spain)	plane	4190			10	0.580
		Spring (April–June)			4302			32	0.334
		Summer (July–September)			3955			21	0.522
		Autumn (October–December)			4306			14	0.600
Laran et al. [6]	2001-2004	December–April	Ligurian-Provencal	shipboard	5759*		0.18-0.66	18.0	
		May/September					1.34/1.52		
Laran et al. [7]	2001-2004	Winter (October–March)	Ligurian-Provencal	shipboard	2235			10.9	0.37
		Summer (April–September)			3967			19.9	0.87
Lauriano et al. [8]	2008	August	Ligurian-Provencal	shipboard	1255		0.026	7.51	0.228
Panigada et al. [9]	2009	Winter	Ligurian Sea	plane	8144.5		0.01	8	0.22
		Summer			8446.9		0.03	13.7	0.436

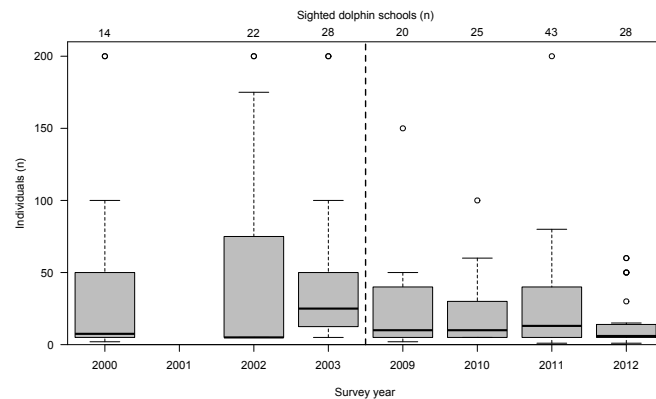


Fig A Dolphin school size in number of individuals per survey repetition and year.

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