

**Records of Fatal Killer Whale (*Orcinus orca*) Attacks on
Fin Whales (*Balaenoptera physalus*) with an Emphasis
on Baja California, Mexico**
Supplemental Table

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Table S1. Summary information on fatal killer whale (*Orcinus orca*) attacks on fin whales (*Balaenoptera physalus*) globally from published and unpublished sources, including social media. For the waters off Baja California, Mexico, we include information on all fin whale attacks, fatal or otherwise, and all sightings of male killer whales E256 and E261, whether they were attacking fin whales or not.

Date (d/mo/y)	Location	Coordinates (*approximate)	Number of killer whales	Species attacked	Outcome	Killer whales E256 or E261 present?	Source/Observer	Platform
2/3/1982	Near Yavaros, Sonora, GoC	26° 37' N, 109° 23' W	3	Fin whale	Chased fin whales; apparently unsuccessful	No photos	Vidal & Pechter, 1989	5 m dory
1/1984	Unknown, GoC	Unknown	7	Fin whale	Unknown; attack continued after sunset	No photos	Ford & Reeves, 2008	Small aircraft
4/5/1984	Canal de Ballenas, GoC	29° 10' N, 113° 29' W*	Unknown	Unknown	Unknown	E256	Black et al., 1997	--
20/6/1984	Canal de Ballenas, GoC	29° 10' N, 113° 29' W*	Unknown	Unknown	Unknown	E256	Black et al., 1997	--
27/8/1997	43 km east of Puertecitos, GoC	30° 28' N, 114° 13' W	15-18	None	--	E256 & E261	R. Pitman	NOAA <i>R/V David Starr Jordan</i>
10/4/1998	San José Island, GoC	24° 52' N, 110° 36' W	Min. 13-14	Bryde's whale	Fatal	E256 & E261	C. C. Taylor, J. Swenson	Tour boat <i>M/V Searcher</i>
6/3/1999	Off Ensenada Grande, Isla Partida, GoC	24° 34' N, 110° 27' W*	40-50	<i>Delphinus</i> sp. (long-beaked)	Fatal	E261	CICIMAR	--
4/2/2000	2 to 3 miles south of Isla Carmen, GoC	25° 31' N, 111° 06' W	20+	Bryde's whale	Fatal	E256 & E261	Ford & Reeves, 2008	Tour boat
1/1/2001	GoC?	Unknown	Unknown	Unknown	Unknown	E261	UABCS	--
6/10/2001	GoC?	Unknown	Unknown	Unknown	Unknown	E261	UABCS	--
20/3/2003	GoC?	Unknown	Unknown	Unknown	Unknown	E256	UABCS	--
4/3/2004	Isla San José, GoC	25° 08' N, 110° 33' W	12	Unknown	Unknown	E256	UABCS	--
19/3/2004	Between Islas Carmen, Monserrate, and Santa Catalina, GoC	25° 48' N, 111° 03' W*	Min. 9-10	<i>Delphinus</i> sp. (long-beaked)	No predation observed	E256	Olson & Gerrodette, 2008	--
4/2/2005	Los Islotes, GoC	24° 37' N, 110° 24' W*	9	<i>Tursiops truncatus</i> ; jumbo squid <i>Docidicus</i> also present	Fatal for <i>Tursiops</i>	E256	S. Zeff	Tour boat
21/2/2005	Isla Espíritu Santo, GoC	25° 34' N, 110° 21' W	10	Manta rays (<i>Mobula</i> sp.) present	Killer whales feeding	E256	S. Zeff	Tour boat
2/3/2005	GoC?	Unknown	Unknown	Unknown	Unknown	E256	UABCS	--
17/10/2005	Canal de Ballenas, GoC	29° 12' N, 113° 28' W*	16	Fin whale	Fatal	No photos	Ford & Reeves, 2008	--
3/3/2006	West side Isla Espíritu Santo, GoC	24° 27' N, 110° 26' W*	4	None	--	E261	Olson & Gerrodette, 2008	--
5/3/2006	Near Loreto and Isla Monserrate, GoC	25° 40' N, 111° 06' W*	2+	Nearby, blue whales and <i>Delphinus</i> sp. racing away	Unknown	E256	Olson & Gerrodette, 2008	--
30/3/2007	Off São Miguel Island, Azores	37° 42' N, 25° 44' W*	Approx. 20	Fin whale	Fatal	NA	R. Rodrigues	Tour boat
5/8/2007	Near Isla Los Islotes, north of La Paz, GoC	24° 36' N, 110° 24' W*	9+	None	--	E256 & E261	J. Belles	--
9/3/2008	Nearshore, 20 km south of Loreto, GoC	26° 00' N, 111° 20' W*	12+	Unidentified large whale; likely a fin	Presumed fatal; dorsal fin of large whale retrieved	E256	F. Wilson	Private boat

Killer Whale Predation on Fin Whales

Date (d/mo/y)	Location	Coordinates (*approximate)	Number of killer whales	Species attacked	Outcome	Killer whales E256 or E261 present?	Source/Observer	Platform
6/12/2008	Approx. 3 km ESE of Avalon, Santa Catalina Island, CA	33° 20' N, 118° 17' W	--	Nearby <i>Delphinus</i> sp. racing away; no pursuit	Unknown	E261	J. & J. Blake	Private boat
15/1/2009	Off La Jolla, CA	32° 57' N, 117° 18' W	8	Pursued <i>Delphinus</i> sp.	Unknown	E261	F. Matheson, N. Kellar, J. Hyde	Research vessel (NOAA/SWFSC)
17/12/2009	Approx. 14.5 km off Pt Loma, CA	32° 44' N, 117° 23' W*	--	None	--	E261	J. Dutra	<i>M/V Hornblower</i>
21/12/2009	Islas Coronados, western Baja CA	32° 24' N, 117° 17' W	20	Unidentified prey	Killer whales feeding	E256 & E261	I. Reiff	<i>M/V Western Explorer</i>
27/9/2010	Bahía Kino, GoC	28° 50' N, 112° 34' W	12	None	--	E256 & E261	UABCS	--
10/7/2011	Just north of Isla Espíritu Santo, GoC	24° 38' N, 110° 19' W*	17-20	None	--	E261	L. & R. Howard	Small commercial dive boat
1/11/2011	2.4 km north of Islas Coronados, western Baja CA	32° 28' N, 117° 18' W	15-20	Fin whale	Fatal	E261	C. Schmidt, R. Maxa, D. Kern	Sport fishing skiff
9/6/2012	Approx. 3.2 km west of Isla Gaviota, north of La Paz, GoC	24° 17' N, 110° 23' W	14-18	Fin whale	Fatal	E256 & E261	M. Correa	Tour boat
14/2/2014	West side of Isla Espíritu Santo, GoC	24° 28' N, 110° 24' W*	15-25	None	--	E261	M. Greenfelder	Tour boat <i>M/V Sea Bird</i>
2/7/2016	Magdalena Bay, western Baja CA	24° 35' N, 112° 00' W*	6	None	--	E261	Pelagic Life	Tour boat
19/1/2019	San Luis Gonzaga Bay, GoC	29° 48' N, 114° 22' W	8	Fin whale	Fatal: attacked whale headed for shore, stranded alive, and died on beach	E261	A. Ortega	Private vessel <i>M/V Narval</i>
25/3/2019	Between Puertecitos and Punta Final, GoC	29° 54' N, 114° 24' W	17-20	Fin whale	Fatal	E261	R. N. Tambo	Panga (commercial fishing vessel)
5/5/2019	La Paz Bay, GoC	24° 25' N, 110° 25' W	9	Fin whale	Apparently not fatal, but blood was visible in the water	No photos	S. Velazquez	Small aircraft
23/10/2019	19 km off Morro Bay, CA	35° 13' N, 122° 07' W	5	Fin whale	Likely fatal	Not present	R. Pace	Fisheries research vessel
17/7/2020	La Paz Bay, GoC	24° 17' N, 110° 26' W	8	Fin whale	Outcome unknown	No photos	H. Rosales	From shore
22/4/2021	Puerto Williams, Chile	54° 56' S, 67° 37' W*	7	Fin whale	Fatal	NA	D. Chevally	From shore