

Table modified and extended from Aguilar (2003).

Length (mm)		N	Days	Conditions	Deg C	Hook type
548	approx mean TL	146	0		25.0 - 30.5	circle
278-740	SL, FL, TL?	968	2	pen	12 - 31	circle
<508-762	TL	38	3	pen	25 - 34	single; single lure
199-355	SL, FL, TL?	513	14	pen	28 - 30	single
429-837	TL	121	3	pen	27.6 - 30.3	natural & lure; single & treble
<406 - >406	TL	743	3-7	lab	13 - 28	natural & lure; single & treble
1032	mean TL	64	3-7	lab		single, circle
186-730	TL	80	2, 17	pen, lab	23 - 29	single
972-1260	FL	17	3	wild	21 - 29	single, circle
	TL	191	3	pen	16.6 - 27.6	single; single lure
880-1250	FL	104	3	pen	23.6 - 29.9	single, circle
						treble; single
339-825	TL	172	2	lab		J-hook; circle; offset circle
660-1138	TL	167	2	lab	Sep - Oct	J-hook; circle hook

GHM: Mortality significantly related to gear type

WLHM: Would location significantly related to mortality

Hook size	Bait	Gear	%mort GHM	WLHM
8/0	baited	trotline	0%	
8/0	baited	trotline	0.2%	
	baited & unbaited	rec hook & line	44.7%	
4 to 3/0	baited	rec hook & line	16% *	*
? ; #6	baited & unbaited	rec hook & line	4.1%	
	baited & unbaited	rec hook & line	3.5% *	
7/0, 13/0	baited	rec hook & line	5.0%	
#1	baited	rec hook & line	2.8%	
7/0, 16/0	baited	rec hook & line	5.9%	
	baited & unbaited	rec hook & line	6.8%	*
7/0, 16/0	baited	rec hook & line	6.7%	*
			9.9%; 2.4%	
2/0; 4/0; 4/0	baited	rec hook & line	7%; 2%; 10%	*
7/0 ; 9/0	baited	longline	3.3%; 1.9%	*

Injuries	Habitat	State	Year	Ref.	
	mar/est	TX	1985-6	Martin et al 1987a	
gut	mar/est	TX	1985	Martin et al 1987b	
esoph	fresh water	TX	1988	Childress 1989	
gut	mar/est	GA	1988-9	Jordan & Woodward, 1992	
	mar/est	TX	1988-9	Matlock et al, 1993	
gut	mar/est	LA	1993-5	R.G. Thomas, <i>pers. comm.</i>	
gut	mar/est	LA	1996	R.G. Thomas, <i>pers. comm.</i>	
gut	mar/est	FL	1996	R.F. Heagley, <i>pers. comm.</i>	
	mar/est	NC	2000	Aguilar, 2003	
gut	mar/est	NC	2000-1	Gearhart, 2002	Significant in logisic reg
gut	mar/est	NC	2001	Aguilar, 2003	
		AL		Duffy, 1999	Cited in Gearhart, 2002
gut	mar/est	SC	2005	Vecchio & Wenner, 2007	Recreation use = 47.5%
gut	mar/est	SC	2005	Vecchio & Wenner, 2007	Mortality only assessed

gression: Salinity, DO, hook removal; Not Significant: Fish length, water temp

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6 J-hook, 34.4% circle, 18.1% other.

in gut and gill hooked adults (mouth hooked not tested)