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Catherine M. McClellan, Andrew J. Read, Blake A. Price, Wendy M. Cluse, and Matthew H. Godfrey. 2009. Using telemetry to mitigate the bycatch of long-lived marine vertebrates. *Ecological Applications* 19:1660-1671.

Appendix A. Results of the Williamson spatial overlap index (SOI), sea turtle bycatch, and sea turtle strandings for each PSGNRA by fishery week. ❟ denotes Hurricane Isabel.

MGNRA 1 (36 km^2)							
Year	Month	Fishery Week	Gill Net Density	Sea Turtle Density	SOI	Sea Turtle By-catch	Sea Turtle Strandings
2002	September	1	0			0	
		2	0	0		0	
		3	0	0		0	
		4	1.3	0		1	
	October	5	0	0		0	
		6	0	0.001		0	

		7	0.8	0	0
		8	0.8	0	0
	November	9	0	0.02	0
		10	0	0	0
		11	0	0	0
		12	0	0	0
		13	0	0	0
	December	14		0	
		15	0		0
		16			
2003	September	1	0	0	0
		2	0		0
	,	3	0.5	0	0
		4	1.6	0	0
	October	5	0	0	0
		6	0	0	0
		7	0.8	0	0
		8	0	0	0
		9	0	0	0
	November	10	0	0	0

		11	0	0	0	
		12	0	0.1	0	
		13		0.01		
	December	14		0		
		15		0		
		16		0		
		17				
2004	September	1	0		0	
		2	0		0	
		3	1.1		0	
		4	0		0	
	October	5	0		0	
		6	2.5		0	
		7	0		0	1
		8	0.3		0	
		9	0		0	
	November	10	0		0	
		11	0		0	
		12	0		0	
		13	0		0	

	December	14	0			0	
		15					
		16	0			0	

MGNRA 2 (17 km^2)							
Year	Month	Fishery Week	Gill Net Density	Sea Turtle Density	SOI	Sea Turtle By-catch	Sea Turtle Strandings
2002	September	1	0			0	
		2	0	0		0	
		3	0	0		0	
		4	0.3	0		0	
	October	5	0.8	0		0	
		6	0	0		0	
		7	0	0		0	
		8	0	0		0	
	November	9	0	0		0	

		10	1.3	0	0
		11	0	0	0
		12	0	0	0
		13	0	0	0
	December	14		0	
		15	0		0
		16			
2003	September	1	0	0	0
		2	0		0
	,	3	0	0	0
		4	0	0	0
	October	5	0	0	0
		6	0.1	0	0
		7	1.4	0	0
		8	0	0	0
		9	0	0	0
	November	10	0	0	0
		11	0	0	0
		12	0	0	0
		13		0	

	December	14	0	
		15	0	
		16	0	
		17		
2004	September	1	0	0
		2	0	0
		3	0	0
		4	0	0
	October	5	0	0
		6	0	0
		7	0.1	0
		8	0	0
		9	0.4	0
	November	10	0	0
		11	0	0
		12	0	0
		13	0	0
	December	14	0	0
		15		
		16	0	0

SGNRA 1 (138 km^2)							
Year	Month	Fishery Week	Gill Net Density	Sea Turtle Density	SOI	Sea Turtle By-catch	Sea Turtle Strandings
2002	September	1	0			0	
		2	0	0		0	
		3	1.8	0		0	
		4	0	0		0	
	October	5	0	0.3		0	
		6	0	0.07		0	
		7	0	0.01		0	
		8	0	0		0	
	November	9	0	0		0	
		10	0	0.6		0	
		11	0	0.1		0	
		12	0	0		0	
		13	0	0		0	

	December	14		0		
		15	0		0	
		16				
2003	September	1	0.009	0	0	
		2	0		0	
	;	3	0	0	0	
		4	0.7	0	0	
	October	5	0	0	0	
		6	0	0	0	
		7	0	0.01	0	
		8	1.0	0	0	1
		9	0	0	0	
	November	10	0	0	0	
		11	0	0	0	
		12	4.2	0	0	
		13		0		
	December	14		0		
		15		0		
		16		0		
		17				

2004	September	1	4.5	0	
		2	2.2	0	
		3	6.9	0	
		4	9.9	1	
	October	5	5.3	0	
		6	3.1	0	
		7	1.9	1	
		8	3.3	0	
		9	0	0	
	November	10	0	0	
		11	0	0	1
		12	0	0	
		13	0	0	
	December	14	0	0	
		15			
		16	0	0	1

SGNRA 2 (107 km^2)							
Year	Month	Fishery Week	Gill Net Density	Sea Turtle Density	SOI	Sea Turtle By-catch	Sea Turtle Strandings
2002	September	1	1.5			0	
		2	1.3	0		0	
		3	5.0	0		0	
		4	2.1	0		0	
	October	5	2.0	0		0	
		6	11.2	0		0	
		7	6.7	0.07	0.002	0	
		8	8.1	0		0	
	November	9	8.5	0.00007	19.3	0	
		10	7.7	1.5	0.4	0	
		11	4.8	0		0	
		12	4.1	0.1	0	0	
		13	4.1	0		0	

	December	14		0			
		15	0			0	1
		16					
2003	September	1	2.1	0		0	
		2	0			0	
	;	3	0	0		0	
		4	7.8	0		0	
	October	5	7.7	0		1	1
		6	2.4	0		0	
		7	8.6	0		0	
		8	2.1	0.05	0	0	
		9	1.1	0		0	
	November	10	0	0		0	
		11	0	0		0	
		12	0	0		0	
		13		0			
	December	14		0			
		15		0			
		16		0			
		17					

2004	September	1	0			0	
		2	0			0	
		3	6.4			0	
		4	3.9			0	1
	October	5	0			0	
		6	2.8			0	
		7	2.5			0	
		8	1.7			0	
		9	13.1			1	
	November	10	4.3			1	1
		11	5.0	0.2	0	0	
		12	2.0	0.2	0	1	1
		13	0.7	0.1	0	0	
	December	14	2.2			0	
		15					1
		16	0			0	1

SGNRA 3 (156 km^2)							
Year	Month	Fishery Week	Gill Net Density	Sea Turtle Density	SOI	Sea Turtle By-catch	Sea Turtle Strandings
2002	September	1	9.0			2	
		2	3.3	0		0	
		3	10.6	0		1	
		4	13.9	0		1	
	October	5	22.2	0		1	1
		6	24.5	0.1	0	2	
		7	15.6	0.09	2.5	4	
		8	0.5	0		0	
	November	9	0	0.0004		0	
		10	0	0.6		0	
		11	0	0.0		0	
		12	0	0.2		0	2
		13	0	0.2		0	

	December	14		0.1			
		15	0			0	
		16					
2003	September	1	3.3	0		0	
		2	5.5			0	
	;	3	2.6	0		0	
		4	0.02	0		0	
	October	5	3.1	0		0	
		6	6.6	0		0	
		7	5.8	0		0	
		8	10.4	0		1	
		9	0.3	0.4	0	0	
	November	10	1.9	0		1	
		11	10.8	0		1	1
		12	0	0		0	
		13		0			
	December	14		0			
		15		0			
		16		0			
		17					

2004	September	1	1.9			0	
		2	8.5			0	
		3	15.3			1	
		4	29.5			0	
	October	5	18.2			1	1
		6	19.2			0	
		7	9.7			0	
		8	9.08			0	
		9	31.9			2	
	November	10	17.3			0	3
		11	21.9	0.6	70.9	0	
		12	5.2			0	
		13	5.6			0	
	December	14	0			0	
		15					
		16	0.7			0	1

SGNRA 4 (176 km^2)

Year	Month	Fishery Week	Gill Net Density	Sea Turtle Density	SOI	Sea Turtle By-catch	Sea Turtle Strandings
2002	September	1	0.5			0	
		2	3.0	0		0	
		3	3.1	0		0	
		4	9.2	0		0	
	October	5	4.9	0		0	
		6	6.8	0.03	0	0	
		7	6.8	0		0	
		8	6.4	0.06	0.03	0	
	November	9	15.0	0.06	0.8	0	
		10	24.0	0.2	0	0	
		11	10.4	0.1	0	0	
		12	0.4	0		0	
		13	0	0		0	1
	December	14		0.000002			
		15	1.6			0	
		16					1

2003	September	1	2.1	0		0
		2	3.2			0
	,	3	0	0		0
		4	6.5	0		0
	October	5	9.9	0		0
		6	17.5	0		0
		7	7.6	0		0
		8	3.7	0		0
		9	5.2	0.06	0	0
	November	10	2.9	0		0
		11	0.1	0		0
		12	1.8	0		0
		13		0		
	December	14		0		
		15		0		
		16		0		
		17				
2004	September	1	0.8			0

		2	1.2			0	
		3	4.8			0	
		4	7.1			0	
	October	5	4.1			0	
		6	1.9			0	
		7	0.09			0	
		8	1.9			0	
		9	1			0	
	November	10	2.3			0	
		11	2.4	0.06	0.00003	0	
		12	8.2			0	
		13	0			0	1
	December	14	0			0	
		15					
		16	0			0	1