Expenditure Ratios from Diving Expenditure Sources	Local Expenditure / Participant	Dive Expenditure	Total Local Exp. / Dive Exp. (DEI Ratio)	Trip Type	Ref Year	Source		
Australia, GBR (N. Queensland) - Per Trip	AUD 2,600	AUD 1,300	200%	Live aboard - varied	2006-7	[42]		
W. Australia (Ningaloo) - Per Day	AUD 186	AUD 76	246%	Whale sharks	2006	[43]		
Fiji - Per Day	USD 212	USD 84	252%	Sharks	2011	[18]		
Fr. Polynesia (Moorea) - Per Day	USD 377	USD 139	271%	Lemon sharks	2011	[6]		
Palau - Per Trip	USD 2,081	USD 749	278%	Sharks	2010	[50]		
Thailand - Per Trip	THB 40,000	THB 24,010	167%	Diving	2007-9	[49]		
Expenditure Ratios from Whale Watching Expenditure	WW Ticket Exp. / Participant	Assoc. Exp. / Participant WW	Total Local Exp. / Participant WW	Manta Dive Trip Cost / Participant	Total Exp. /Participant Manta Diving	Total Exp. / WW Ticket Cost (DEI Ratio WW)	Total Exp. / MD Cost (DEI Ratio Manta	Ref Year / Source
Sources			,		28		Diving)	
Australia, GBR (Queensland)	\$28	\$146	\$174	\$108	\$254	616%	235%	[20], 2008
W. Australia	\$34	\$156	\$191	\$108	\$264	554%	245%	[20], 2008
Costa Rica	\$50	\$150	\$200	\$100	\$250	398%	250%	[20], 2008
Ecuador	\$1,171	\$234	\$1,405	\$150	\$384	120%	256%	[20], 2008
FSM	\$46	\$111	\$157	\$120	\$231	343%	192%	[20], 2008
Fr. Polynesia (Bora Bora)	\$94	\$121	\$215	\$137	\$258	229%	188%	[20], 2008
Indonesia	\$14	\$33	\$47	\$78	\$111	332%	142%	[20], 2008

## Table S2. Direct Economic Impact of Manta Ray Watching Tourism (US\$)

## Direct Economic Impact of Manta Ray Watching Tourism (US\$)

Japan	\$38	\$80	\$118	\$211	\$330	308%	156%	[20], 2008
Madagascar	\$51	\$63	\$115	\$76	\$139	224%	184%	[20], 2008
Maldives	\$36	\$40	\$76	\$44	\$84	211%	191%	[20], 2008
Mexico	\$53	\$450	\$503	\$446	\$896	942%	201%	[20], 2008
Mozambique	\$58	\$85	\$143	\$118	\$203	246%	171%	[20], 2008
New Caledonia	\$85	\$125	\$210	\$103	\$229	247%	221%	[20], 2008
Philippines	\$32	\$60	\$92	\$94	\$154	289%	164%	[20], 2008
Sudan (Egypt #'s)	\$58	\$98	\$156	\$142	\$240	269%	169%	[20], 2008
USA, Hawaii	\$38	\$254	\$292	\$110	\$364	778%	331%	[20], 2008
Country	Manta Dive Expenditure	Trip Exp / Dive Exp	Direct Economic Impact	Source(s)				
Australia	\$6,529,435	223%	\$14,560,640	[42,43]				
Costa Rica	\$109,200	250%	\$273,000	[20]				
Ecuador	\$726,126	256%	\$1,858,883	[20]				
Fiji	\$630,148	252%	\$1,587,973	[18]				
Fr. Polynesia	\$1,367,625	271%	\$3,706,264	[6]				
FSM	\$4,091,520	192%	\$7,855,718	[20]				
India	\$198,890	167%	\$332,146	[49]				
Indonesia	\$10,655,022	142%	\$15,130,131	[20]				
Japan	\$11,400,103	156%	\$17,784,161	[20]				
Kiribati	\$17,500	192%	\$33,600	[20] - FSM				
Madagascar	\$206,498	184%	\$379,956	[20]				
Maldives	\$8,100,000	191%	\$15,471,000	[20]				
Mexico	\$5,084,600	201%	\$10,220,046	[20]				
Mozambique	\$7,640,351	171%	\$13,065,000	[20]				
Myanmar	\$157,606	167%	\$263,202	[49]				
New Caledonia	\$524,988	221%	\$1,160,223	[20]				
Palau	\$2,455,108	278%	\$6,825,200	[50]				
Papua New Guinea	\$175,561	192%	\$337,077	[20] - FSM				
Philippines	\$863,479	164%	\$1,416,106	[20]				
Solomon Islands	\$319,332	192%	\$613,117	[20] - FSM				

## Direct Economic Impact of Manta Ray Watching Tourism (US\$)

Sudan	\$13,506	169%	\$22,825	[20] - Egypt				
Thailand	\$7,418,750	167%	\$12,389,313	[49]				
USA	\$4,661,938	331%	\$15,431,015	[20]				
Global Total	\$73,347,286		\$140,716,597					
DEI Ratio Note	S							
Summary:								
13 - Ratios adapt	ted from O'Conno	or et al. [20] r	eplacing WW tick	et expenditure	(DE) with M	lanta dive trip	cost:	
			idagascar, Maldiv					
Sudan (using #'s								
3 - Applied FSM	ratio from [20]: S	Solomon Islan	ds, Papua New G	uinea and Kirit	oati			
			mpact of shark d					
Australia [42,43]	, Fiji [18], Frenc	h Polynesia [6	], Palau [50]					
3 - Ratio from pu	blished study by	Tourism Auth	ority Thailand[49	] on scuba div	ing tourists a	and expenditu	res:	
			d India, since trip					oats
Australia: There	e were two publis	hed expenditu	ire estimates for	diving - Jones	et al. [43] fo	or Western Au	stralia;	
			wo estimates for					)]
- one for Wester	n Australia and o	one for GBR (C	ueensland).					
			ip ~ AUD 1,300;	Median region	al assoc. exp	./diver ~ AU[	D 1,300	
			Mean expenditur					
			ng expenditure e					
The four Australi	,							
	Queensland	W. Australia	Avg Australia					
O'Connor [20]	235%		240%					
O'Connor [20]		245%						
Stoeckl [42]	200%		223%					
Jones [43]		246%						
Fiji: Average dai	ly local expenditu	ures by divers	in Fiji per Vianna	et al. [18];				
Average daily cos	st for manta divir	ng per this stu	dy, since dive cos	sts were not av	vailable.			

## Direct Economic Impact of Manta Ray Watching Tourism (US\$)

French Polynesia: Ratio estir	nated from the following value	es provided in Clua et	t al. [6]:		
Avg. Daily Associated Expendit	ures: (\$186 acc. + \$52 meals	s)= \$ 238 (AE)			
Avg. Cost (Int'l and Local diver	rs) of 2 tank dive trip = \$139	(DE)			
Dive expenditure plus associat					
Palau: From Vianna et al. [50	], avg. trip expenditure per di	ver; avg. dive expend	diture per diver per tri	р	
Thailand: From Tourism Autho	prity Thailand [49], avg. trip e	expenditure per diver	; avg. dive expenditur	e per diver per ti	rip
			······································		