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## **Appendix 3:** *The coastal zone's economic impact*

## THE COASTAL ZONE'S ECONOMIC IMPACT

This section has the purpose of analyzing the importance of the coastal zone to the local economy based on production data, employment and income for each industrial sector.

The information used in this analysis parts from the kilometer which is understood to be in the internal boundary of the coastal zone for each one of the coastal municipalities. The industries were classified into eight larger sectors using the North America Industry Classification System (NAICS) (See Table 1).

**Table 1**

Grouping of industries for the economic analysis of the coastal zone		
NAICS	Industry	New Classification-Sector
11	Agriculture, Forestry, Fishing and Hunting	Agriculture, Forestry, Fishing and Hunting
21	Mining, Quarrying, and Oil and Gas Extraction	
22	Utilities	Construction, Mining, Electricity, Water and Gas
23	Construction	
31-33	Manufacturing	Manufacture
42	Wholesale Trade	Trade
44-45	Retail Trade	
48-49	Transportation and Warehousing	
51	Information	Transportation, Warehousing and Information
52	Finance and Insurance	
53	Real Estate and Rental and Leasing	Finance, Insurance and Real Estate
54	Professional, Scientific, and Technical Services	
55	Management of Company and Enterprises	
56	Administrative and Support and Waste Management	
61	Educational Services	
62	Health Care and Social Assistance	Services
71	Art, Entertainment and Recreation	
72	Accommodation and Food Services	
81	Other Services Except Public Administration	
99	Others	
92	Public Administration	Public Administration

Source: NAICS . Prepared by Estudios Técnicos, Inc.

## A. METHODOLOGY USED TO ESTIMATE THE COASTAL ZONE'S ECONOMIC IMPACT

Employment and income data for each municipality were used as the basis for estimates in the coastal zone. Due to the fact that there is no data regarding production per municipality (equivalent to the Gross Internal Product) the parting point for the study was the separation by industrial sector. The following steps were taken in order to obtain the results:

1. The area of coastal zone municipalities was taken as the initial information. The area was obtained from 2000 Population and Housing Census in km<sup>2</sup> and converted to *cuerdas*. Table 2 reflects the data of this and other steps while Table 3 represents the conversions of the area measurements.
2. The coastal zone area per municipality in the study entitled *Socioeconomic Analysis of the coastal zone*, published in 1975, was taken (See Table 2).
3. The area corresponding to the Natural Reserves (NRs) in coastal zone municipalities was eliminated. The area for each municipality with NRs was recalculated in *cuerdas* (See Table 2, fourth column). It is important to note that only the area of some of the NRs were removed since others included maritime boundaries which could not be separated from the total area in order to leave only the land area. The DNER does the demarcation of the NRs presented in Table 4.
4. The coastal zone area without the NRs was then calculated and presented in the last column of Table 2. Therefore, when the text mentions the coastal zone, it is making a reference to the coastal zone kilometer after the area of the NRs was eliminated.

Table 2

Municipalities' area in the coastal zone				
Municipalities in the coastal zone	Territorial extension(cuerdas)	Area of the coastal zone (cuerdas)	Municipal extension without NR (cuerdas)	Coastal zone area without NR (cuerdas)
Aguada	20,382	2,455	20,382	2,455
Aguadilla	24,117	4,397	24,117	4,397
Añasco	25,885	1,649	25,885	1,649
Arecibo	83,254	5,312	83,238	5,296
Arroyo	9,913	1,832	9,913	1,832
Barceloneta	15,440	1,575	15,440	1,575
Cabo Rojo	46,369	11,724	44,202	9,557
Camuy	30,598	2,272	30,598	2,272
Carolina	29,888	1,685	29,888	1,685
Cataño	3,181	2,199	3,181	2,199
Ceiba	19,142	5,972	18,548	5,378
Culebra	7,656	7,656	7,656	7,656
Dorado	15,387	3,004	15,356	3,004
Fajardo	19,687	4,800	19,002	4,115
Guánica	24,458	6,119	18,931	591
Guayama	42,883	5,459	42,883	5,459
Guaynabo	17,875	623	17,875	623
Guayanilla	27,924	4,213	26,081	2,371
Hatillo	27,537	1,942	27,537	1,942
Humacao	29,506	3,847	26,923	1,264
Isabela	36,491	4,031	36,491	4,031
Juana Díaz	39,748	2,255	39,748	2,255
Lajas	39,613	4,690	39,613	4,690
Loíza	12,817	4,946	10,852	2,981
Luquillo	16,936	2,748	16,936	2,748
Manatí	29,817	3,119	27,287	589
Maunabo	13,868	2,198	13,868	2,198
Mayagüez	51,170	3,481	51,170	3,481
Naguabo	34,074	3,004	33,946	2,877
Patillas	30,776	3,334	30,776	3,334
Peñuelas	29,382	2,015	29,382	2,015
Ponce	76,506	3,664	76,506	3,664
Quebradillas	14,929	1,429	14,929	1,429
Rincón	9,415	3,151	9,415	3,151
Río Grande	40,028	3,188	40,028	3,188
Salinas	45,608	5,239	45,588	5,239
San Juan	31,501	4,030	31,501	4,030
Santa Isabel	22,501	4,360	21,928	3,787
Toa Baja	15,272	1,942	15,272	1,942
Vega Alta	18,293	1,099	18,293	1,099
Vega Baja	30,239	2,858	29,239	1,858
Vieques	33,504	33,504	33,504	33,504
Yabucoa	36,420	3,041	36,130	2,751
Yauco	44,913	366	43,071	0
Total	1,288,949	196,466	1,267,156	162,157
% in relation to P.R.	57.1%	8.70%	57.1%	7.3%
Puerto Rico	2,256,888	2,256,888	2,221,052	2,221,052

Table 3

Area conversion units				
	km <sup>2</sup>	cuerdas	acres	hectares
km <sup>2</sup>	1	254	247	100
cuerdas	0	1	1	0
acres	0	1	1	0
hectares	0	3	2	1

Table 4

Natural Reserves Area				
Municipality	Natural Reserve	Cuerdas	Acres	Hectares
Arecibo	Cueva del Indio	11	11	4
Arecibo	Faro de los Morrillos	5	5	2
Cabo Rojo	Las Salinas	1,480	1,437	582
Cabo Rojo	Finca Belvedere	255	248	100
Cabo Rojo	Punta Guaniquilla	432	419	170
Ceiba	Ceiba Commonwealth Forest	594	577	234
Dorado	Bosque de <i>Pterocarpus</i>	31	30	12
Fajardo	Ceiba Commonwealth Forest	127	124	50
Fajardo	Cabezas de San Juan	447	434	176
Fajardo	Finca Seven Seas	110	107	43
Guánica	Guánica Commonwealth Forest	5,527	5,368	2,172
Guayanilla	Guánica Commonwealth Forest	1,842	1,789	724
Humacao	Pantano, Bosque de <i>Pterocarpus</i> , Lagunas Mandry y Santa Teresa	2,583	2,508	1,015
Loíza	Piñones Commonwealth Forest	1,965	1,908	772
Manatí	Hacienda La Esperanza	2,530	2,457	994
Naguabo	Ceiba Commonwealth Forest	127	124	50
Salinas	Las Piedras del Collado	20	19	8
Santa Isabel	Punta Petrona	573	556	225
Vega Baja	Pantano Cibuco	1,000	971	393
Yabucoa	Punta Yeguas	290	281	114
Yauco	Guánica Commonwealth Forest	1,842	1,789	724
	Islas de Mona y Monito	14,043	13,637	5,519
<b>Total</b>		<b>35,836</b>	<b>34,801</b>	<b>14,084</b>

Source: DNER

5. Employment figures, by industry and by municipality, were taken from *Composición Industrial*, a publication from the Department of Labor and Human Resources', for the last trimester of 2006. Employment by trimester information was averaged for the year considering only the municipalities in the coastal zone. In that same table (Table 5) total employment was calculated for each of the municipalities in the coastal zone in proportion to employment in the rest of Puerto Rico. The proportion of jobs in each industry in the coastal zone municipality was also calculated and compared to total employment of said industry for the rest of Puerto Rico.

**Table 5**

Number of employment by industry - <i>Composición Industrial 2006</i>										
Type of industry										
Municipalities in the coastal zone	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration	Total	% from PR
Aguada	55	927	533	856	74	189	1,915	869	5,418	0.52%
Aguadilla	53	258	3,174	2,318	1,194	598	5,839	4,932	18,366	1.75%
Añasco	53	379	2,007	430	29	79	888	787	4,652	0.44%
Arecibo	366	717	3,944	2,772	428	741	9,470	6,527	24,965	2.38%
Arraio	18	18	757	118	0	14	397	544	1,866	0.18%
Barceloneta	25	1,028	5,159	598	28	124	1,423	1,177	9,562	0.91%
Cabo Rojo	151	993	1,347	1,180	61	158	1,941	1,108	6,939	0.66%
Camuy	222	413	342	584	112	145	1,150	764	3,732	0.36%
Carolina	15	2,652	4,746	13,903	5,947	2,022	24,629	5,566	59,480	5.68%
Cataño	0	175	906	3,464	1,828	372	4,188	1,302	12,235	1.17%
Ceiba	8	66	117	67	17	53	650	618	1,596	0.15%
Culebra	0	0	0	20	0	20	45	278	363	0.03%
Dorado	177	999	1,849	921	69	138	2,614	1,252	8,019	0.77%
Fajardo	15	203	1,652	2,374	452	401	5,303	2,014	12,414	1.18%
Guánica	141	246	332	87	23	34	361	737	1,961	0.19%
Guayama	22	937	3,000	1,998	122	294	3,628	3,904	13,905	1.33%
Guayanilla	161	43	71	161	59	15	420	668	1,598	0.15%
Guaynabo	50	3,973	2,337	8,843	7,360	2,163	17,078	1,307	43,111	4.11%
Hatillo	415	280	681	3,374	77	169	3,076	1,111	9,183	0.88%
Humacao	51	856	3,061	2,737	417	563	8,155	3,970	19,810	1.89%
Isabela	144	798	352	2,039	63	158	1,836	1,041	6,431	0.61%
Juana Díaz	266	409	1,523	793	28	95	1,816	1,378	6,308	0.60%
Lajas	223	203	925	395	30	92	438	709	3,015	0.29%
Loiza	24	12	0	123	0	66	218	799	1,242	0.12%
Luguello	0	50	283	286	41	78	437	574	1,749	0.17%
Manatí	123	463	3,968	2,459	115	288	5,947	2,156	15,519	1.48%
Mounabo	38	12	16	93	9	0	57	1,303	1,528	0.15%
Mayagüez	127	3,028	3,339	6,755	1,045	2,113	16,331	6,358	39,096	3.73%
Naguabo	139	723	278	188	0	90	174	636	2,228	0.21%
Pattillas	42	26	78	306	0	42	326	758	1,578	0.15%
Peñuelas	28	668	148	304	168	80	621	806	2,823	0.27%
Ponce	165	3,005	4,398	9,156	1,923	1,876	24,247	10,965	55,735	5.32%
Quebradillas	137	158	126	338	19	130	831	540	2,279	0.22%
Rincón	18	90	196	263	0	89	486	512	1,654	0.16%
Río Grande	42	30	573	709	120	213	3,281	1,410	6,378	0.61%
Salinas	210	209	748	715	108	26	1,451	1,438	4,905	0.47%
San Juan	263	26,035	5,828	42,358	17,291	27,885	121,196	65,525	306,381	29.24%
Santa Isabel	1,108	529	1,054	955	19	64	469	692	4,890	0.47%
Tea Baja	47	1,527	2,281	3,418	340	399	3,305	2,541	13,858	1.32%
Vega Alta	37	487	788	1,129	164	250	1,541	1,028	5,424	0.52%
Vega Baja	86	583	3,487	1,208	98	198	2,447	1,993	10,100	0.96%
Vieques	0	113	179	144	67	39	461	746	1,749	0.17%
Yabucoa	117	257	537	592	57	48	410	1,182	3,200	0.31%
Yauco	634	482	488	1,613	52	261	2,396	1,598	7,524	0.72%
<b>Total in the coastal zone</b>	<b>6,016</b>	<b>55,060</b>	<b>67,608</b>	<b>123,144</b>	<b>40,054</b>	<b>42,872</b>	<b>283,892</b>	<b>146,123</b>	<b>764,769</b>	<b>72.99%</b>
<b>% from Puerto Rico</b>	<b>53.96%</b>	<b>68.53%</b>	<b>61.06%</b>	<b>71.13%</b>	<b>86.15%</b>	<b>84.36%</b>	<b>74.56%</b>	<b>75.18%</b>	<b>72.99%</b>	
<b>Total Puerto Rico</b>	<b>11,148</b>	<b>80,343</b>	<b>110,725</b>	<b>173,131</b>	<b>46,496</b>	<b>50,823</b>	<b>380,773</b>	<b>194,362</b>	<b>1,047,801</b>	

Source: Department of Labor and Human Resources  
Blank spaces represent data not informed by identification.

6. The proportion of employment of each industry in the coastal zone municipalities was calculated in proportion to total employment of the municipality. The information is presented in the following table.

Table 6

Number of employment by industry - Proportioned to employment in the municipality, 2006								
Municipalities in the coastal zone	Type of industry							
	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration
Aguada	1.02%	17.11%	9.84%	15.80%	1.37%	3.49%	35.35%	16.04%
Aguedilla	0.29%	1.40%	17.28%	12.62%	6.50%	3.26%	31.79%	26.85%
Añasca	1.14%	8.15%	43.14%	9.24%	0.62%	1.70%	19.09%	16.92%
Arecibo	1.47%	2.87%	15.80%	11.10%	1.71%	2.97%	37.93%	26.14%
Arroyo	0.96%	0.96%	40.57%	6.32%	0.00%	0.75%	21.28%	29.15%
Barceloneta	0.26%	10.75%	53.95%	6.25%	0.29%	1.30%	14.88%	12.31%
Cabo Rojo	2.18%	14.31%	19.41%	17.01%	0.88%	2.28%	27.97%	15.97%
Camuy	5.95%	11.07%	9.16%	15.65%	3.00%	3.89%	30.81%	20.47%
Carolina	0.03%	4.46%	7.98%	23.37%	10.00%	3.40%	41.41%	9.36%
Cataño	0.00%	1.43%	7.40%	28.31%	14.94%	3.04%	34.23%	10.64%
Ceiba	0.50%	4.14%	7.33%	4.20%	1.07%	3.32%	40.73%	38.72%
Culebra	0.00%	0.00%	0.00%	5.51%	0.00%	5.51%	12.40%	76.58%
Dorado	2.21%	12.46%	23.06%	11.49%	0.86%	1.72%	32.60%	15.61%
Fajardo	0.12%	1.64%	13.31%	19.12%	3.64%	3.23%	42.72%	16.22%
Guánica	7.19%	12.54%	16.93%	4.44%	1.17%	1.73%	18.41%	37.58%
Guayama	0.16%	6.74%	21.57%	14.37%	0.88%	2.11%	26.09%	28.08%
Guayanilla	10.08%	2.69%	4.44%	10.08%	3.69%	0.94%	26.28%	41.80%
Guaynabo	0.12%	9.22%	5.42%	20.51%	17.07%	5.02%	39.61%	3.03%
Hatillo	4.52%	3.05%	7.42%	36.74%	0.84%	1.84%	33.50%	12.10%
Humacao	0.26%	4.32%	15.45%	13.82%	2.10%	2.84%	41.17%	20.04%
Isabela	2.24%	12.41%	5.47%	31.71%	0.98%	2.46%	28.55%	16.19%
Juana Díaz	4.22%	6.48%	24.14%	12.57%	0.44%	1.51%	28.79%	21.85%
Lajas	7.40%	6.73%	30.68%	13.10%	1.00%	3.05%	14.53%	23.52%
Loiza	1.93%	0.97%	0.00%	9.90%	0.00%	5.31%	17.55%	64.33%
Luquillo	0.00%	2.86%	16.18%	16.35%	2.34%	4.46%	24.99%	32.82%
Manatí	0.79%	2.98%	25.57%	15.85%	0.74%	1.86%	38.32%	13.89%
Maunabo	2.49%	0.79%	1.05%	6.09%	0.59%	0.00%	3.73%	85.27%
Mayagüez	0.32%	7.75%	8.54%	17.28%	2.67%	5.40%	41.77%	16.26%
Naguabo	6.24%	32.45%	12.48%	8.44%	0.00%	4.04%	7.81%	28.55%
Patillas	2.66%	1.65%	4.94%	19.39%	0.00%	2.66%	20.66%	48.04%
Peñuelas	0.99%	23.66%	5.24%	10.77%	5.95%	2.83%	22.00%	28.55%
Ponce	0.30%	5.39%	7.89%	16.43%	3.45%	43.50%	43.50%	19.67%
Quebradillas	6.01%	6.93%	5.53%	14.83%	0.83%	5.70%	36.46%	23.69%
Rincón	1.09%	5.44%	11.85%	15.90%	0.00%	5.38%	29.38%	30.96%
Río Grande	0.66%	0.47%	8.98%	11.12%	1.88%	3.34%	51.44%	22.11%
Salinas	4.28%	4.26%	15.25%	14.58%	2.20%	0.53%	29.58%	29.32%
San Juan	0.09%	8.50%	1.90%	13.83%	5.64%	9.10%	39.56%	21.39%
Santa Isabel	22.66%	10.82%	21.55%	19.53%	0.39%	1.31%	9.59%	14.15%
Toa Baja	0.34%	11.02%	16.46%	24.66%	2.45%	2.88%	23.85%	18.34%
Vega Alta	0.68%	8.98%	14.53%	20.81%	3.02%	4.61%	28.41%	18.95%
Vega Baja	0.85%	5.77%	34.52%	11.96%	0.97%	1.96%	24.23%	19.73%
Vieques	0.00%	6.46%	10.23%	8.23%	3.83%	2.23%	26.36%	42.65%
Yabucoa	3.66%	8.03%	16.78%	18.50%	1.78%	1.50%	12.81%	36.94%
Yauco	8.43%	6.41%	6.49%	21.44%	0.69%	3.47%	31.84%	21.24%
<b>Industries distribution in PR</b>	<b>2.65%</b>	<b>7.19%</b>	<b>14.68%</b>	<b>14.98%</b>	<b>2.56%</b>	<b>3.94%</b>	<b>28.27%</b>	<b>26.64%</b>

Source: Department of Labor and Human Resources

7. The number of total workers per *cuerda* in each one of the industries in the coastal zone municipalities was used as a parting point to calculate total employment in the area. It was calculated by dividing the jobs per industry in each of the municipalities by the number of *cuerdas* in the corresponding municipality. The results are presented in Table 7.

Table 7

Employees by area ( <i>cuerdas</i> ) - 2006									
Municipalities in the coastal zone	Type of industry								
	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration	Total
Aguada	0.00270	0.04548	0.02615	0.04200	0.00363	0.00927	0.09396	0.04264	0.26583
Aguadilla	0.00220	0.01070	0.13161	0.09611	0.04951	0.02480	0.24211	0.20450	0.76154
Añasco	0.00205	0.01464	0.07753	0.01661	0.00112	0.00305	0.03430	0.03040	0.17971
Arecibo	0.00440	0.00861	0.04737	0.03330	0.00514	0.00890	0.11375	0.07840	0.29986
Arroyo	0.00182	0.00182	0.07636	0.01190	0.00000	0.00141	0.04005	0.05487	0.18823
Barceloneta	0.00162	0.06658	0.33413	0.03873	0.00181	0.00803	0.09216	0.07623	0.61929
Cabo Rojo	0.00326	0.02142	0.02905	0.02545	0.00132	0.00341	0.04186	0.02390	0.14965
Camuy	0.00726	0.01350	0.01118	0.01909	0.00366	0.00474	0.03758	0.02497	0.12197
Carolina	0.00050	0.08873	0.15879	0.46517	0.19898	0.06765	0.82404	0.18623	1.99009
Cataño	0.00000	0.05502	0.28485	1.08908	0.57472	0.11696	1.31671	0.40935	3.84668
Ceiba	0.00042	0.00345	0.00611	0.00350	0.00089	0.00277	0.03396	0.03228	0.08337
Culebra	0.00000	0.00000	0.00000	0.00261	0.00000	0.00261	0.00588	0.03631	0.04741
Dorado	0.01150	0.06493	0.12017	0.05986	0.00448	0.00897	0.16989	0.08137	0.52116
Fajardo	0.00076	0.01031	0.08391	0.12059	0.02296	0.02037	0.26937	0.10230	0.63057
Guánica	0.00576	0.01006	0.01357	0.00356	0.00094	0.00139	0.01476	0.03013	0.08018
Guayama	0.00051	0.02185	0.06996	0.04659	0.00284	0.00686	0.08460	0.09104	0.32425
Guayanilla	0.00901	0.00241	0.00397	0.00901	0.00330	0.00084	0.02350	0.03737	0.08940
Guaynabo	0.00179	0.14228	0.08369	0.31668	0.26358	0.07746	0.61160	0.04681	1.54389
Hatillo	0.01507	0.01017	0.02473	0.12253	0.00280	0.00614	0.11170	0.04035	0.33348
Humacao	0.00173	0.02901	0.10374	0.09276	0.01413	0.01908	0.27638	0.13455	0.67138
Isabela	0.00395	0.02187	0.00965	0.05588	0.00173	0.00433	0.05031	0.02853	0.17623
Juana Díaz	0.00669	0.01029	0.03832	0.01995	0.00070	0.00239	0.04569	0.03467	0.15870
Lajas	0.00563	0.00512	0.02335	0.00997	0.00076	0.00232	0.01106	0.01790	0.07611
Loíza	0.00187	0.00094	0.00000	0.00960	0.00000	0.00515	0.01701	0.06234	0.09690
Luquillo	0.00000	0.00295	0.01671	0.01689	0.00242	0.00461	0.02580	0.03389	0.10327
Manatí	0.00413	0.01553	0.13308	0.08247	0.00386	0.00966	0.19945	0.07231	0.52048
Maunabo	0.00274	0.00087	0.00115	0.00671	0.00065	0.00000	0.00411	0.09396	0.11018
Mayagüez	0.00248	0.05917	0.06525	0.13201	0.02042	0.04129	0.31915	0.12425	0.76403
Naguabo	0.00408	0.02122	0.00816	0.00552	0.00000	0.00264	0.00511	0.01867	0.06539
Patillas	0.00136	0.00084	0.00253	0.00994	0.00000	0.00136	0.01059	0.02463	0.05127
Peñuelas	0.00095	0.02274	0.00504	0.01035	0.00572	0.00272	0.02114	0.02743	0.09608
Ponce	0.00216	0.03928	0.05749	0.11968	0.02514	0.02452	0.31693	0.14332	0.72850
Quebradillas	0.00918	0.01058	0.00844	0.02264	0.00127	0.00871	0.05566	0.03617	0.15266
Rincón	0.00191	0.00956	0.02082	0.02793	0.00000	0.00945	0.05162	0.05438	0.17568
Río Grande	0.00105	0.00075	0.01431	0.01771	0.00300	0.00532	0.08197	0.03523	0.15934
Salinas	0.00460	0.00458	0.01640	0.01568	0.00237	0.00057	0.03181	0.03153	0.10755
San Juan	0.00835	0.82647	0.18501	1.34464	0.54890	0.88520	3.84734	2.08007	9.72599
Santa Isabel	0.04924	0.02351	0.04684	0.04244	0.00084	0.00284	0.02084	0.03075	0.21732
Toa Baja	0.00308	0.09999	0.14936	0.22380	0.02226	0.02613	0.21641	0.16638	0.90740
Vega Alta	0.00202	0.02662	0.04308	0.06172	0.00897	0.01367	0.08424	0.05620	0.29651
Vega Baja	0.00284	0.01928	0.11531	0.03995	0.00324	0.00655	0.08092	0.06591	0.33400
Vieques	0.00000	0.00337	0.00534	0.00430	0.00200	0.00116	0.01376	0.02227	0.05220
Yabucoa	0.00321	0.00706	0.01474	0.01625	0.00157	0.00132	0.01126	0.03245	0.08786
Yauco	0.01412	0.01073	0.01087	0.03591	0.00116	0.00581	0.05335	0.03558	0.16752
<b>Total of <i>cuerdas</i> in the coastal zone</b>	<b>0.20799</b>	<b>1.86427</b>	<b>2.67813</b>	<b>4.94706</b>	<b>1.81277</b>	<b>1.46243</b>	<b>10.01367</b>	<b>5.09281</b>	<b>28.07914</b>

8. Once the number of workers per *cuerda* was obtained, it was multiplied by the number of *cuerdas* in the coastal zone for each municipality. Adding these numbers yields the total employment in the coastal zone (See Table 8).



Table 8<sup>1</sup>

Number of employment by industry- only in the coastal zone- <i>Composición Industrial 2006</i>									
Municipalities in the coastal zone	Type of industry								
	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration	Total
Aguada	7	112	64	103	9	23	231	105	653
Aguadilla	10	47	579	423	218	109	1,064	899	3,348
Añasco	3	24	128	27	2	5	57	50	296
Arecibo	23	46	252	177	27	47	604	416	1,593
Arroyo	3	3	140	22	0	3	73	101	345
Barceloneta	3	105	526	61	3	13	145	120	976
Cabo Rojo	38	251	341	298	15	40	491	280	1,754
Camuy	16	31	25	43	8	11	85	57	277
Carolina	1	150	268	784	335	114	1,389	314	3,354
Cataño	0	121	626	2,394	1,264	257	2,895	900	8,457
Ceiba	2	21	37	21	5	17	203	193	498
Culebra	0	0	0	20	0	20	45	278	363
Dorado	35	195	361	180	13	27	510	244	1,566
Fajardo	4	49	403	579	110	98	1,293	491	3,026
Guánica	35	62	83	22	6	9	90	184	491
Guayama	3	119	382	254	16	37	462	497	1,770
Guayanilla	6	1	2	6	2	1	15	23	56
Guaynabo	8	599	353	1,334	1,111	326	2,577	197	6,505
Hatillo	29	20	48	238	5	12	217	78	648
Humacao	7	112	399	357	54	73	1,063	518	2,583
Isabela	16	88	39	225	7	17	203	115	710
Juana Díaz	15	23	86	45	2	5	103	78	358
Lajas	26	24	110	47	4	11	52	84	357
Loíza	9	5	0	47	0	25	84	308	479
Luquillo	0	8	46	46	7	13	71	93	284
Manatí	13	48	415	257	12	30	622	226	1,623
Maunabo	6	2	3	15	1	0	9	207	242
Mayagüez	9	206	227	459	71	144	1,111	432	2,659
Naguabo	12	64	25	17	0	8	15	56	196
Patillas	5	3	8	33	0	5	35	82	171
Peñuelas	2	46	10	21	12	5	43	55	194
Ponce	8	144	211	438	92	90	1,161	525	2,669
Quebradillas	13	15	12	32	2	12	80	52	218
Rincón	6	30	66	88	0	30	163	171	554
Río Grande	3	2	46	56	10	17	261	112	508
Salinas	24	24	86	82	12	3	167	165	563
San Juan	34	3,331	746	5,419	2,212	3,567	15,505	8,383	39,197
Santa Isabel	215	103	204	185	4	12	91	134	947
Toa Baja	6	194	290	435	43	51	420	323	1,762
Vega Alta	2	29	47	68	10	15	93	62	326
Vega Baja	8	55	330	114	9	19	231	188	954
Vieques	0	113	179	144	67	39	461	746	1,749
Yabucoa	10	21	45	49	5	4	34	99	267
Yauco	5	4	4	13	0	2	20	13	61
<b>Total in the coastal zone</b>	<b>679</b>	<b>6,650</b>	<b>8,249</b>	<b>15,681</b>	<b>5,785</b>	<b>5,366</b>	<b>34,543</b>	<b>18,656</b>	<b>95,608</b>

Source: Department of Labor and Human Resources

9. After estimating employment, adjustments were made to reflect activities, such as tourism, marinas and generation of electric power, common to the coastal zone. In Tables 9-12 data is presented for each one of these activities. In Puerto Rico, much of tourism activity occurs in the coastal zone, reason why the hotels located in the area were considered as was the room inventory provided by the Puerto Rico Tourism Company (PRTC) (See Table 9). Using the inventory, a calculation was made to estimate the number of employees per room. In the case of hotels with casinos, the value used was 2.5 employees per room as established by the minimum PRTC requisites. In hotels without casinos, the value used was 1.2 employees which is the average of full-time employees per room.

<sup>1</sup> Note: This table represents an adjustment on jobs per *cuerda*. It is the product of Tables 6 and 7.

Table 9

Detailed list of accommodations with their rooms in the municipalities of the coastal zone- fiscal year 2006															
Lodging name	Municipality	# rooms	# emp.	Category	Lodging name	Municipality	# rooms	# emp.	Category	Lodging name	Municipality	# rooms	# emp.	Category	
Parador J.B. Hidden Village	Aguada	36	43.2	Country Inn	Hotel Rosa del Mar	Hanillo	30	36.0	Hotel	Puerta La Bahía Hotel & Rest	Salinas	15	18.0	Hotel	
Faro Hotel Suites	Aguadilla	78	93.6	Hotel	Parador El Buen Café	Hanillo	33	39.6	Country Inn	Acacia Sea Side Inn	San Juan	15	18.0	Inn	
Hotel Cielo Mar	Aguadilla	72	86.4	Hotel	Club Cala Palmas del Mar	Humacao	104	124.8	TS/Villas	Aleli By The Sea Guest House	San Juan	9	10.8	Guest House	
Hotel Hacienda El Pedregal	Aguadilla	27	32.4	Hotel	Four Points by Sheraton Palmas del Mar Resort	Humacao	107	128.4	Hotel/Resort	Arcade Inn	San Juan	15	18.0	Guest House	
La Cima Hotel and Suites	Aguadilla	47	56.4	Hotel	Palmas Dorada (Palmas del Mar)	Humacao	16	19.2	Condo Hotel	At Wind Chimes Inn	San Juan	22	26.4	Guest House	
Parador Faro Hotel	Aguadilla	75	90.0	Country Inn	Villas at Palmas	Humacao	45	54.0	Villas	Atlantic Beach Hotel	San Juan	36	43.2	Hotel	
Hotel River View	Añasco	16	19.2	Inn	Costa Dorada Apartments	Isabela	30	36.0	Hotel	Best Western Hotel Pierre	San Juan	184	220.8	Hotel	
Rincón Beach Resort	Añasco	112	134.4	Hotel	Costa Dorada Beach Resort	Isabela	52	62.4	Resort	Budget Host Hotel del Centro	San Juan	29	34.8	Hotel	
Boquerón Beach Hotel	Cabo Rojo	94	112.8	Hotel	Hotel Ocean Front	Isabela	16	19.2	Hotel	Caribe Hilton	San Juan	646	775.2	Hotel	
Cafresí Beach Hotel	Cabo Rojo	16	19.2	Hotel	Parador Villas del Mar Hau	Isabela	39	46.8	Country Inn	Casa Caribe	San Juan	13	15.6	Guest House	
Combate Beach Hotel	Cabo Rojo	20	24.0	Hotel	Villa Montaña Resort	Isabela	75	90.0	Condo Hotel	Comfort Inn San Juan	San Juan	50	60.0	Hotel	
Highway Inn	Cabo Rojo	29	34.8	Country Inn	Villas de Costa Dorada	Isabela	54	64.8	Villas	Condado Lagoon Villas at Caribe Hilton	San Juan	168	201.6	Condo Hotel	
Hotel Cuestamar	Cabo Rojo	22	26.4	Hotel	Andy's Chalet & Guest House	Lajas	13	15.6	Guest House	Coral Princess Inn	San Juan	25	30.0	Guest House	
Hotel Joyuda Plaza	Cabo Rojo	54	64.8	Hotel	Estancia La Jamaica	Lajas	13	15.6	Guest House	Courtyard by Marriott San Juan Miramar	San Juan	140	168.0	Hotel	
Lighthouse Hotel	Cabo Rojo	60	72.0	Hotel	Parador Pasada Forlamar	Lajas	35	42.0	Country Inn	Diamond Palace Hotel & Casino	San Juan	133	332.5	Hotel	
Parador Bahía Salinas Beach Resort & Spa	Cabo Rojo	22	26.4	Country Inn	Parador Villas del Mar	Lajas	25	30.0	Country Inn	El Canario By The Lagoon	San Juan	44	52.8	Hotel	
Parador Boquear	Cabo Rojo	75	90.0	Country Inn	Parador Villa Parguera	Lajas	74	88.8	Country Inn	El Canario By The Sea	San Juan	25	30.0	Guest House	
Parador Joyuda Beach	Cabo Rojo	41	49.2	Country Inn	Torres de la Parguera Hotel	Lajas	17	20.4	Hotel	El Canario Inn	San Juan	25	30.0	Guest House	
Parador Perichí's	Cabo Rojo	58	69.6	Country Inn	Yunque Mar	Luquillo	15	18.0	Hotel	El Prado Inn	San Juan	22	26.4	Guest House	
Best Western San Juan Airport Hotel	Carolina	125	150.0	Hotel	Holiday Inn Mayagüez & Tropical Casino	Mayagüez	141	352.5	Hotel	Embassy Guest House	San Juan	20	24.0	Guest House	
Borinquen Beach Inn	Carolina	12	14.4	Guest House	Hotel Colonial	Mayagüez	29	34.8	Hotel	Faro Hotel El Consulado (antes IHP)	San Juan	29	34.8	Hotel	
Caribe Mountain Villas	Carolina	6	7.2	Apart./Villas	Howard Johnson Downtown Mayagüez	Mayagüez	39	46.8	Hotel	Holiday Inn Express	San Juan	115	138.0	Hotel	
Casa de Playa Beach Hotel	Carolina	21	25.2	Guest House	IHP Hotel Mayagüez Plaza	Mayagüez	36	43.2	Hotel	Hosteria del Mar	San Juan	26	31.2	Hotel	
Casa Mathiesen Inn-Hotel	Carolina	30	36.0	Hotel	Mayagüez Resort & Casino	Mayagüez	140	350.0	Hotel/Resort	Hotel Cervantes	San Juan	12	14.4	Hotel	
Coqui- Inn Green Isle Inn-Hotel	Carolina	26	31.2	Hotel	Parador El Sol	Mayagüez	51	61.2	Country Inn	Hotel El Convento	San Juan	68	81.6	Hotel	
Coral by The Sea (Hotel Mario's)	Carolina	68	81.6	Hotel	Western Bay Hotel Mayagüez	Mayagüez	51	61.2	Hotel	Hotel El Portal	San Juan	47	56.4	Hotel	
Courtyard by Marriott Isla Verde Beach Resort	Carolina	260	312.0	Hotel	Casa Cubuy Ecologde	Naguabo	10	12.0	Guest House	Hotel Excelsior	San Juan	140	168.0	Hotel	
El Patio Guest House	Carolina	14	16.8	Guest House	Caribe Playa Beach Resort	Pattillas	30	36.0	Hotel	Hotel Iberia	San Juan	30	36.0	Hotel	
Embassy Suites Hotel & Casino San Juan	Carolina	300	750.0	Hotel	Parador Caribbean Paradise	Pattillas	23	27.6	Country Inn	Hotel Milano	San Juan	30	36.0	Hotel	
ESJ Towers	Carolina	450	540.0	Condo Hotel	Villas Del Carmen Resort	Pattillas	8	9.6	Apart./Villas	Hotel Miramar	San Juan	50	60.0	Hotel	
Hampton Inn and Suites	Carolina	200	240.0	Hotel	Fox Delicias Hotel	Ponce	30	36.0	Hotel	Hotel Olimpo Court	San Juan	45	54.0	Hotel	
Holiday Inn San Juan	Carolina	222	266.4	Hotel	Hilton Ponce Golf & Casino	Ponce	253	632.5	Hotel	Howard Johnson Hotel Plaza de Armas	San Juan	51	61.2	Hotel	
Hotel La Playa	Carolina	15	18.0	Hotel	Holiday Inn Ponce & El Tropical Casino	Ponce	116	290.0	Hotel	L'Habitacion Beach Guest House	San Juan	10	12.0	Guest House	
Howard Johnson Inn	Carolina	115	138.0	Hotel	Hotel Bálgica	Ponce	20	24.0	Hotel	Número 1 on the Beach	San Juan	14	16.8	Guest House	
Intercontinental San Juan	Carolina	402	482.4	Hotel	Hotel el Tuque	Ponce	97	116.4	Hotel	Park Plaza Normandie	San Juan	173	207.6	Hotel	
The Ritz-Carlton San Juan Hotel Spa & Casino	Carolina	416	1,040.0	Hotel	Hotel Meliá	Ponce	73	87.6	Hotel	Radisson Ambassador Plaza Hotel & Casino	San Juan	233	582.5	Hotel	
The Waterclub (San Juan Water & Beach Club Hotel)	Carolina	84	100.8	Hotel	Howard Johnson Ponce	Ponce	120	144.0	Hotel	San Juan Beach Hotel	San Juan	95	114.0	Hotel	
Wyndham El San Juan Hotel & Casino	Carolina	382	955.0	Hotel	Parador El Guajataca	Quebradillas	38	45.6	Country Inn	San Juan Marriott Resort & Casino	San Juan	525	1,312.5	Resort	
Hotel Villa del Sol	Carolina	24	28.8	Hotel	Parador Vistamar	Quebradillas	55	66.0	Country Inn	Sheraton Old San Juan Hotel	San Juan	240	288.0	Hotel	
Caiba Country Inn	Caiba	9	10.8	Country Inn	Beside the Point on the Beach & Taboo Seaside Grill	Rincón	8	9.6	Guest House	SJ Suites	San Juan	15	18.0	Hotel	
Club Seabourne	Culebra	12	14.4	Hotel	Casa Islaña	Rincón	9	10.8	Guest House	The Regency Hotel	San Juan	126	151.2	Hotel	
Costa Bonita Resort Villas	Culebra	164	196.8	Resort/Apart./Villas	Casa Vista del Mar	Rincón	5	6.0	Guest House	Tres Palmas Inn	San Juan	18	21.6	Guest House	
Posada La Hamaca	Culebra	10	12.0	Guest House	Club Bon-Accord Hotel & Restaurant	Rincón	9	10.8	Hotel	Tu Casa Guest House	San Juan	19	22.8	Guest House	
Acquarius Vacation Club and Golden Sands Villas	Dorado	181	217.2	Resort/Apart./Villas	Coconut Palms Inn	Rincón	7	8.4	Guest House	Wyndham Condado Plaza Hotel & Casino	San Juan	570	1,425.0	Hotel	
Costa de Oro Guest House	Dorado	14	16.8	Guest House	Dos Angeles del Mar Guest House	Rincón	5	6.0	Guest House	Hacienda Santa Isabel	Santa Isabel	16	19.2	Guest House	
Embassy Suites Dorado del Mar Beach & Golf Resort	Dorado	174	208.8	Resort, Hotel	Parador Villa Antonio	Rincón	62	74.4	Country Inn	Amapola Inn & Bill Restaurant	Vieques	8	9.6	Guest House	
Hyatt Dorado Beach Resort	Dorado	262	314.4	Hotel	Rincón of the Seas Grand Caribbean Hotel	Rincón	112	134.4	Hotel	Casa Amistad	Vieques	7	8.4	Guest House	
Hyatt Hacienda del Mar Resort	Dorado	80	96.0	Resort/Apart./Villas	Sandy Beach Inn & Restaurant	Rincón	14	16.8	Guest House	Crow's Nest Inn	Vieques	17	20.4	Guest House	
Hotel Fajardo Inn	Fajardo	97	116.4	Hotel	The Horned Dorset Primavera	Rincón	53	63.6	Hotel	Great Escape	Vieques	11	13.2	Guest House	
Hotel La Familia	Fajardo	28	33.6	Hotel	The Lazy Parrot Inn	Rincón	11	13.2	Guest House	Hacienda Tamarindo	Vieques	16	19.2	Hotel	
Las Casitas at The Conquistador	Fajardo	90	108.0	Villas/ Resort	The Pinnacle Inn	Rincón	6	7.2	Guest House	Hix Island House	Vieques	14	16.8	Guest House	
Fashion Fruit	Fajardo	15	18.0	Hotel	The Vista Vacation Resort	Rincón	11	13.2	Guest House	Inn on the Blue Horizon	Vieques	10	12.0	Guest House	
Scenic Inn	Fajardo	10	12.0	Guest House	Villa Cafresí Hotel	Rincón	68	81.6	Hotel	Sea Gate Guest House	Vieques	15	18.0	Hotel	
Wyndham El Conquistador Resort & Spa	Fajardo	918	1,101.6	Resort	Paradise Sol Meliá Puerto Rico	Río Grande	486	583.2	Resort	Wyndham Marribeau Bay Resort & Spa	Vieques	156	187.2	Hotel/Resort	
Copamarina Beach Resort	Guánica	106	127.2	Resort	Río Grande Plantation Eco Resort	Río Grande	15	18.0	Resort	Costa del Mar	Yabucoa	16	19.2	Guest House	
Parador Guanica 1929	Guánica	27	32.4	Country Inn	The Westin Rio Mar Beach Resort & Golf Club	Río Grande	600	720.0	Resort	Parador Palmas de Lucía	Yabucoa	34	40.8	Country Inn	
Parador Pichí's	Guayanilla	58	69.6	Country Inn	Marina de Salinas & Posada el Náutico	Salinas	32	38.4	Hotel/Resort						

Source: PRTC and arranged by Estudios Técnicos, Inc.

Marinas are also located in the coastal zone, reason why employment generated by these should be taken into consideration when making the estimates. The *Boatyard Association of Puerto Rico* provided information regarding employment in the marinas, which is presented in Table 10. The number of employees in the marinas was added to the corresponding number for each municipality.

**Table 10**

Employees in the marinas of Puerto Rico - 2007			
Name of the Marina	Municipality	Number of Piers	Employments full and part-time
Aguadilla Yacht Club	Aguadilla	100	N/A
Club Náutico El Parterre	Aguadilla		
Arecibo Yacht Club	Arecibo	85	15
Club Náutico de Arecibo	Arecibo		
Club Náutico de Boquerón	Cabo Rojo	111	3
Bahía Marina Boquerón	Cabo Rojo		N/A
Boca Cangrejos Yacht Club	Carolina	150	14
Isleta Marina	Fajardo	306	20
Conquistador Marine	Fajardo	21	4
Marina Puerto del Rey	Fajardo	750	105
Puerto Chico Marina	Fajardo	280	26
Sea Lovers Marina	Fajardo	150	7
Villa Marina Yacht Harbour	Fajardo	250	37
Club Náutico de Guayama	Guayama		N/A
Club Náutico Pozuelo	Guayama	42	
Karollette Charter	Humacao	33	N/A
Marina de Palmas	Humacao	17	N/A
Palmas Shipyard Marine	Humacao		
Marina Harborside	Humacao	170	N/A
Club Deportivo del Oeste	Joyudas- Cabo Rojo	60	1
Club Náutico de la Parguera	Lajas		7
Club Náutico de Mayagüez	Mayagüez		2
Club Náutico de Ponce	Ponce	160	26
Marina de Salinas	Salinas	101	42
Salinas Marine & Posada El Náutico	Salinas		
Club Náutico de San Juan	San Juan	96	120
San Juan Bay Marina	San Juan	125	10
<b>Total of employees</b>			<b>439</b>

Source: Boatyard Association of Puerto Rico

- In order to include jobs at the thermoelectrical power plants in Costa Sur (Guayanilla), Palo Seco (Toa Baja), San Juan and Complejo Aguirre (Salinas), information was taken for the Government of Puerto Rico's *Consolidated Budget for Fiscal Year 2006*.<sup>2</sup> The total employment in PREPA was 9,709 persons. It was then estimated that about 20% of the total positions correspond to positions in the thermoelectrical power plants or about 1,941.8 employees. Taking that data as a base, employment in thermoelectrical plants was averaged at 485 employees per plant. The value was adjusted to each one of the municipalities in which the plants are located.

<sup>2</sup> Office of Management and Budget (2007). *Consolidated Budget 2007-2008*. Budget by Agencies. San Juan, OGP. Available at [http://www.presupuesto.gobierno.pr/Tomo\\_II/energiaElectrica.htm](http://www.presupuesto.gobierno.pr/Tomo_II/energiaElectrica.htm).

Table 11

Puerto Rico Electrical Power Authority (PREPA) Employment	
PREPA total employment - 2006	9,699
Employment in the thermoelectrics (20%)	1,940
<b>Employment by thermoelectric ( 4 plants)</b>	<b>485</b>

Source: Presupuesto consolidado 2006

Table 12

Thermoelectric plants	
Municipality	Plant
Guayanilla	Costa Sur
Toa Baja	Palo Seco
San Juan	San Juan
Salinas	Complejo Aguirre

Source: PREPA

Table 13 presents employment data in the coastal zone after the adjustments.

Table 13

Number of employment by industry- only in the coastal zone- Composición Industrial 2006									
Municipalities in the coastal zone	Type of industry								
	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration	Municipal Average Salary
Aguada	7	112	64	103	9	23	299	105	\$721
Aguadilla	10	47	579	423	218	109	1,936	899	\$4,220
Añasco	3	24	128	27	2	5	564	50	\$803
Arecibo	23	46	252	177	27	47	619	416	\$1,608
Arroyo	3	3	140	22	0	3	73	101	\$345
Barceloneta	3	105	526	61	3	13	145	120	\$976
Cabo Rojo	38	251	341	298	15	40	1,457	280	\$2,721
Camuy	16	31	25	43	8	11	85	57	\$277
Carolina	1	150	268	784	335	114	14,537	314	\$16,502
Cataño	0	121	626	2,394	1,264	257	2,895	900	\$8,457
Ceiba	2	21	37	21	5	17	138	193	\$433
Culebra	0	0	0	20	0	20	264	278	\$582
Dorado	35	195	361	180	13	27	4,184	244	\$5,240
Fajardo	4	49	403	579	110	98	3,514	491	\$5,248
Guánica	35	62	83	22	6	9	231	184	\$632
Guayama	3	119	382	254	16	37	462	497	\$1,770
Guayanilla	6	1	2	6	2	1	695	23	\$736
Guaynabo	8	599	353	1,334	1,111	326	2,577	197	\$6,505
Hatillo	29	20	48	238	5	12	243	78	\$673
Humacao	7	112	399	357	54	73	1,950	518	\$3,470
Isabela	16	88	39	225	7	17	988	115	\$1,496
Juana Díaz	15	23	86	45	2	5	103	78	\$358
Lajas	26	24	110	47	4	11	340	84	\$646
Loíza	9	5	0	47	0	25	84	308	\$479
Luquillo	0	8	46	46	7	13	34	93	\$247
Manatí	13	48	415	257	12	30	622	226	\$1,623
Mauabo	6	2	3	15	1	0	9	207	\$242
Mayagüez	9	206	227	459	71	144	5,519	432	\$7,068
Naguabo	12	64	25	17	0	8	22	56	\$203
Patillas	5	3	8	33	0	5	204	82	\$340
Peñuelas	2	46	10	21	12	5	43	55	\$194
Ponce	8	144	211	438	92	90	9,075	525	\$10,583
Quebradillas	13	15	12	32	2	12	461	52	\$600
Rincón	6	30	66	88	0	30	699	171	\$1,090
Río Grande	3	2	46	56	10	17	2,366	112	\$2,613
Salinas	24	24	86	82	12	3	838	165	\$1,235
San Juan	34	3,331	746	5,419	2,212	3,567	48,300	8,383	\$71,991
Santa Isabel	215	103	204	185	4	12	27	134	\$884
Toa Baja	6	194	290	435	43	51	905	323	\$2,247
Vega Alta	2	29	47	68	10	15	93	62	\$326
Vega Baja	8	55	330	114	9	19	231	188	\$954
Vieques	0	113	179	144	67	39	387	746	\$1,675
Yabucoa	10	21	45	49	5	4	148	99	\$381
Yauco	5	4	4	13	0	2	20	13	\$61
<b>Employment of the industry</b>	<b>679</b>	<b>6,650</b>	<b>8,249</b>	<b>15,681</b>	<b>5,785</b>	<b>5,366</b>	<b>108,389</b>	<b>18,656</b>	<b>\$169,453</b>

11. To calculate the average salary per worker in each industry, by municipality, data from *Composición Industrial por Municipio*, published by the Department of Labor and Human Resources, was extracted for the fourth trimester of 2006. The average salary per worker in each one of the industries in the municipalities of the coastal zone was used. This average was multiplied by four in order to obtain an annual estimate.<sup>3</sup> The results are presented in Table 14.

**Table 14**

Average salary by municipality- 2006									
Municipalities in the coastal zone	Type of industry								
	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration	Municipal Average Salary
Aguada	\$6,740	\$18,064	\$25,528	\$14,066	\$18,452	\$18,860	\$17,061	\$18,296	\$17,133
Aguadilla	\$8,912	\$14,180	\$48,084	\$19,858	\$27,308	\$22,410	\$18,258	\$25,924	\$23,117
Añasco	\$5,476	\$15,476	\$28,308	\$24,740	\$23,372	\$18,150	\$11,358	\$18,952	\$18,229
Arecibo	\$9,576	\$17,040	\$32,324	\$18,252	\$32,248	\$26,342	\$16,464	\$24,380	\$22,078
Arroyo	\$6,200	\$13,088	\$56,928	\$12,140	\$0	\$14,884	\$12,753	\$20,152	\$19,449
Barceloneta	\$10,992	\$19,424	\$54,652	\$17,298	\$25,620	\$23,058	\$20,918	\$17,452	\$23,677
Cabo Rojo	\$8,944	\$13,322	\$24,584	\$21,448	\$33,596	\$19,814	\$21,127	\$19,996	\$20,354
Camuy	\$10,672	\$26,952	\$17,636	\$18,116	\$22,138	\$19,552	\$15,755	\$19,520	\$18,793
Carolina	\$9,716	\$31,104	\$44,224	\$32,470	\$31,788	\$30,176	\$22,452	\$25,100	\$28,379
Cataño	\$0	\$24,448	\$38,200	\$28,540	\$35,990	\$21,764	\$23,324	\$22,888	\$24,394
Ceiba	\$4,812	\$15,788	\$24,304	\$11,960	\$39,988	\$18,832	\$21,382	\$22,256	\$19,915
Culebra	\$0	\$0	\$0	\$13,848	\$0	\$21,128	\$24,188	\$17,936	\$19,275
Dorado	\$18,472	\$19,248	\$37,932	\$28,048	\$28,312	\$20,382	\$22,346	\$19,976	\$24,339
Fajardo	\$11,844	\$12,296	\$36,088	\$15,994	\$41,892	\$21,652	\$21,965	\$21,740	\$22,934
Guánica	\$5,940	\$12,516	\$16,552	\$12,730	\$29,476	\$23,756	\$14,475	\$18,156	\$16,700
Guayama	\$9,004	\$35,012	\$53,924	\$19,788	\$31,606	\$19,524	\$16,435	\$21,984	\$25,910
Guayanilla	\$5,648	\$16,272	\$11,828	\$28,814	\$36,204	\$10,708	\$16,819	\$19,264	\$18,195
Guaynabo	\$13,456	\$23,636	\$35,288	\$34,040	\$38,312	\$33,782	\$27,243	\$26,840	\$29,075
Hatillo	\$9,896	\$16,304	\$21,148	\$16,408	\$21,386	\$17,982	\$14,500	\$16,592	\$16,777
Humacao	\$11,808	\$33,762	\$43,920	\$27,236	\$33,886	\$33,240	\$20,604	\$25,204	\$28,708
Isabela	\$10,876	\$15,780	\$21,884	\$13,108	\$36,864	\$20,858	\$15,395	\$18,632	\$19,175
Juana Díaz	\$10,964	\$28,304	\$25,760	\$16,508	\$28,364	\$23,474	\$15,367	\$21,308	\$21,256
Lajas	\$8,284	\$16,828	\$15,388	\$14,764	\$19,024	\$19,076	\$13,851	\$19,400	\$15,827
Loíza	\$14,920	\$11,616	\$0	\$16,384	\$0	\$21,300	\$15,352	\$18,868	\$16,407
Luquillo	\$0	\$19,048	\$27,164	\$15,736	\$21,872	\$19,180	\$16,217	\$19,448	\$19,809
Manatí	\$9,968	\$15,798	\$50,204	\$14,660	\$34,964	\$23,568	\$16,388	\$22,324	\$23,484
Mauabo	\$10,184	\$13,832	\$8,748	\$12,492	\$31,196	\$0	\$10,471	\$25,008	\$15,983
Mayagüez	\$7,628	\$30,198	\$28,536	\$17,916	\$32,678	\$31,622	\$19,771	\$25,128	\$24,185
Naguabo	\$11,796	\$12,816	\$19,144	\$13,224	\$0	\$18,480	\$17,723	\$13,660	\$15,263
Patillas	\$9,124	\$11,544	\$25,868	\$10,036	\$0	\$29,592	\$12,766	\$17,876	\$16,687
Peñuelas	\$5,088	\$40,108	\$22,220	\$21,528	\$40,664	\$26,598	\$19,570	\$22,756	\$24,839
Ponce	\$9,816	\$18,590	\$26,892	\$19,216	\$27,466	\$28,212	\$19,587	\$24,720	\$21,812
Quebradillas	\$9,728	\$19,608	\$12,496	\$11,920	\$34,488	\$16,812	\$14,155	\$18,888	\$17,262
Rincón	\$5,212	\$11,448	\$21,064	\$11,044	\$0	\$23,586	\$13,197	\$15,060	\$14,373
Río Grande	\$8,444	\$36,180	\$20,236	\$18,954	\$23,676	\$19,572	\$20,682	\$22,212	\$21,244
Salinas	\$12,756	\$20,992	\$16,180	\$23,850	\$13,806	\$21,176	\$14,218	\$16,848	\$17,478
San Juan	\$16,668	\$38,458	\$27,524	\$29,114	\$38,408	\$37,808	\$27,684	\$33,008	\$31,084
Santa Isabel	\$10,228	\$11,640	\$34,188	\$14,826	\$27,224	\$20,056	\$16,026	\$19,016	\$19,151
Toa Baja	\$12,868	\$20,848	\$29,876	\$27,542	\$23,608	\$27,110	\$16,138	\$17,192	\$21,898
Vega Alta	\$16,096	\$25,616	\$31,844	\$18,030	\$34,376	\$24,752	\$18,485	\$21,096	\$23,787
Vega Baja	\$8,560	\$16,656	\$35,224	\$16,176	\$23,138	\$26,020	\$19,673	\$17,396	\$20,355
Vieques	\$0	\$16,136	\$25,596	\$11,416	\$30,952	\$18,698	\$24,802	\$18,248	\$20,835
Yabucoa	\$5,432	\$37,272	\$36,648	\$30,032	\$21,248	\$27,852	\$16,778	\$19,188	\$24,306
Yauco	\$6,332	\$27,244	\$23,704	\$13,414	\$24,224	\$24,676	\$16,520	\$17,736	\$19,231
<b>Average salary of the industry- 2006</b>	<b>\$9,727</b>	<b>\$20,802</b>	<b>\$29,472</b>	<b>\$18,811</b>	<b>\$29,469</b>	<b>\$22,932</b>	<b>\$17,963</b>	<b>\$20,628</b>	<b>\$20,981</b>

12. Once the average income by worker was obtained it was multiplied by the number of workers in the coastal zone to obtain the average salary per worker per industry in the coastal zone. The income per industry in the coastal zone was also calculated in proportion to the rest of Puerto Rico.

<sup>3</sup> In the case of industrial sectors such as services, the average is pondered by the sub-sectors which comprise that industrial sector.

Table 15

Total income, average salary only for the coastal zone- 2006									
Municipalities in the coastal zone	Type of industry								
	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration	Municipal Average Salary
Aguada	\$44,646	\$2,016,750	\$1,638,711	\$1,450,116	\$164,450	\$429,301	\$5,095,288	\$1,914,848	\$12,754,111
Aguadilla	\$86,106	\$666,928	\$2,822,134	\$8,391,350	\$5,943,977	\$2,443,014	\$35,352,233	\$23,308,161	\$104,013,903
Añasco	\$18,485	\$373,580	\$3,618,609	\$677,569	\$43,170	\$91,325	\$6,401,406	\$949,981	\$12,174,124
Arecibo	\$223,640	\$779,600	\$8,134,770	\$3,228,397	\$880,704	\$1,245,519	\$10,195,713	\$10,153,847	\$34,842,190
Arroyo	\$20,622	\$43,533	\$7,963,375	\$264,713	\$0	\$38,506	\$935,574	\$2,025,781	\$11,292,105
Barceloneta	\$28,038	\$2,037,369	\$28,767,983	\$1,055,443	\$73,194	\$291,730	\$3,037,185	\$2,095,847	\$37,386,788
Cabo Rojo	\$341,474	\$3,344,777	\$8,372,760	\$6,399,076	\$518,162	\$791,549	\$30,784,698	\$5,601,849	\$56,154,345
Camuy	\$175,881	\$826,345	\$447,761	\$785,408	\$184,067	\$210,465	\$1,345,072	\$1,107,117	\$5,082,116
Carolina	\$8,218	\$4,651,248	\$11,834,926	\$25,454,853	\$10,659,600	\$3,440,508	\$326,377,419	\$7,877,650	\$390,304,422
Cataño	\$0	\$2,957,401	\$23,923,258	\$68,337,740	\$45,476,476	\$5,596,422	\$67,520,938	\$20,599,069	\$234,411,302
Ceiba	\$12,010	\$325,076	\$887,110	\$249,988	\$212,077	\$311,377	\$2,943,169	\$4,290,912	\$9,231,719
Culebra	\$0	\$0	\$0	\$276,960	\$0	\$422,560	\$6,393,270	\$4,986,209	\$12,078,999
Dorado	\$638,386	\$3,754,456	\$13,694,259	\$5,043,795	\$381,431	\$549,189	\$93,501,655	\$4,883,248	\$122,446,417
Fajardo	\$43,312	\$608,521	\$14,534,122	\$9,256,648	\$4,616,209	\$2,116,695	\$77,181,314	\$10,674,191	\$119,031,013
Guánica	\$209,522	\$770,237	\$1,374,714	\$277,058	\$169,598	\$202,058	\$3,349,387	\$3,347,429	\$9,700,003
Guayama	\$25,217	\$4,176,235	\$20,593,577	\$5,032,987	\$490,860	\$730,709	\$7,590,347	\$10,925,591	\$49,565,523
Guayanilla	\$31,682	\$24,378	\$29,259	\$161,631	\$74,422	\$5,596	\$11,694,287	\$448,351	\$12,469,607
Guaynabo	\$101,516	\$14,169,108	\$12,443,305	\$45,419,166	\$42,546,380	\$11,025,337	\$70,199,918	\$5,293,075	\$201,197,805
Hatillo	\$289,599	\$321,915	\$1,015,561	\$3,903,824	\$116,121	\$214,296	\$3,519,740	\$1,299,877	\$10,680,934
Humacao	\$78,513	\$3,767,881	\$17,527,537	\$9,718,816	\$1,842,263	\$2,439,859	\$40,178,434	\$13,045,334	\$88,598,637
Isabela	\$172,984	\$1,390,866	\$850,834	\$2,952,085	\$256,518	\$364,003	\$15,214,601	\$2,142,326	\$23,344,217
Juana Díaz	\$165,433	\$656,665	\$2,225,452	\$742,575	\$45,050	\$126,498	\$1,582,973	\$1,665,576	\$7,210,221
Lajas	\$218,696	\$404,412	\$1,685,076	\$690,393	\$67,565	\$207,764	\$4,715,574	\$1,628,334	\$9,617,814
Loíza	\$138,186	\$53,792	\$0	\$777,694	\$0	\$542,509	\$1,291,531	\$5,817,765	\$8,621,477
Luquillo	\$0	\$154,520	\$1,247,224	\$730,171	\$145,491	\$242,721	\$557,055	\$1,811,137	\$4,888,319
Manatí	\$128,245	\$765,085	\$20,837,066	\$3,770,675	\$420,577	\$709,973	\$10,193,826	\$5,034,396	\$41,859,843
Maunabo	\$61,343	\$26,311	\$22,187	\$184,153	\$44,505	\$0	\$94,135	\$5,165,194	\$5,597,826
Mayagüez	\$65,894	\$6,219,689	\$6,481,031	\$8,231,917	\$2,322,771	\$4,544,891	\$109,125,037	\$10,867,084	\$147,858,315
Naguabo	\$144,568	\$816,984	\$469,246	\$219,202	\$0	\$146,645	\$385,480	\$766,003	\$2,948,127
Patillas	\$41,513	\$32,515	\$218,580	\$332,686	\$0	\$134,641	\$2,603,822	\$1,467,884	\$4,831,640
Peñuelas	\$9,771	\$1,837,500	\$225,541	\$448,846	\$468,532	\$145,935	\$841,177	\$1,257,914	\$5,235,216
Ponce	\$77,558	\$2,675,065	\$5,663,551	\$8,425,182	\$2,529,212	\$2,534,412	\$177,758,245	\$12,979,788	\$212,643,013
Quebradillas	\$127,562	\$296,530	\$150,702	\$385,630	\$62,719	\$209,190	\$6,531,188	\$976,243	\$8,739,765
Rincón	\$31,397	\$344,813	\$1,381,684	\$972,062	\$0	\$702,516	\$9,225,937	\$2,580,516	\$15,238,924
Río Grande	\$28,241	\$86,432	\$923,349	\$1,070,123	\$226,243	\$331,972	\$48,936,833	\$2,493,981	\$54,097,174
Salinas	\$307,720	\$503,991	\$1,390,281	\$1,958,921	\$171,283	\$63,247	\$11,916,791	\$2,783,107	\$19,095,341
San Juan	\$560,824	\$128,094,949	\$20,521,959	\$157,770,228	\$84,962,940	\$134,878,299	\$1,337,126,710	\$276,703,064	\$2,140,618,974
Santa Isabel	\$2,195,836	\$1,193,103	\$6,982,063	\$2,743,449	\$100,225	\$248,710	\$437,306	\$2,549,733	\$16,450,425
Toa Baja	\$76,893	\$4,047,456	\$8,664,159	\$11,968,679	\$1,020,509	\$1,375,248	\$14,607,573	\$5,554,050	\$47,314,567
Vega Alta	\$35,783	\$749,552	\$1,507,701	\$1,223,069	\$338,735	\$371,802	\$1,711,486	\$1,303,030	\$7,241,158
Vega Baja	\$69,569	\$917,668	\$11,607,459	\$1,846,650	\$214,288	\$486,877	\$4,549,269	\$3,276,448	\$22,968,229
Vieques	\$0	\$1,823,368	\$4,581,684	\$1,643,904	\$2,073,784	\$729,222	\$9,600,392	\$13,613,008	\$34,065,362
Yabucoa	\$53,065	\$799,797	\$1,643,193	\$1,484,465	\$101,125	\$111,625	\$2,486,319	\$1,893,700	\$8,573,289
Yauco	\$32,750	\$107,126	\$94,367	\$176,511	\$10,276	\$52,540	\$322,906	\$231,212	\$1,027,689
<b>Total salary of the industry</b>	<b>\$7,120,701</b>	<b>\$199,613,529</b>	<b>\$303,998,119</b>	<b>\$406,134,809</b>	<b>\$209,975,509</b>	<b>\$181,857,253</b>	<b>\$2,575,413,213</b>	<b>\$499,389,859</b>	<b>\$4,383,502,991</b>

13. After obtaining the employment data, the industrial production in the coastal area can be estimated by municipality and as a whole (absolute and by percentage). To do this calculation, the Gross Internal Product per corresponding unit in 2006 and employment per industry as reported by the Department of Labor and Human Resources<sup>4</sup> was used. With this data, the production per worker was calculated for each one of Puerto Rico's industries dividing the industry's production by the amount of employees. That way it can be ascertained how much the average worker produces per corresponding industry.

**Table 16**

<b>Gross Domestic Product (GDP) by industry - 2006</b>	
<b>Industry</b>	<b>GDP</b>
Agriculture, Forestry, Fishing and Hunting	\$333,000,000
Construction, Mining, Electricity, Water and Gas	\$1,820,900,000
Manufacture	\$36,555,800,000
Transportation, Warehousing and Information	\$5,507,900,000
Trade	\$10,716,500,000
Finance, Insurance and Real Estate	\$14,733,100,000
Services	\$8,372,700,000
Public Administration	\$8,424,200,000
<b>TOTAL GDP</b>	<b>\$86,464,100,000</b>

Source: PRPB, Economic Planning Program

\* Statistical discrepancy added to the service industry

**Table 17**

<b>Employees by industry - 2006</b>	
<b>Industry</b>	<b>Number of employees</b>
Agriculture, Forestry, Fishing and Hunting	11,148
Construction, Mining, Electricity, Water and Gas	80,343
Manufacture	110,725
Transportation, Warehousing and Information	46,496
Trade	173,131
Finance, Insurance and Real Estate	50,823
Services	380,774
Public Administration	194,362
<b>TOTAL OF EMPLOYEES IN PUERTO RICO</b>	<b>1,047,802</b>

Source: Department of Labor and Human Resources, *Composición Industrial*. (2006).

<sup>4</sup> Puerto Rico Planning Board (2007). *Statistical Appendix 2006*. San Juan, Area for Social and Economic Planning, Bureau of Economic Analysis. Table 9; Department of Labor and Human Resources, Bureau for Labor Statistics (2007). *Composición Industrial por Municipio, Tercer Trimestre 2006*.

Table 18

Production by employee in Puerto Rico - 2006	
Industry	Production by employee
Agriculture, Forestry, Fishing and Hunting	\$29,871
Construction, Mining, Electricity, Water and Gas	\$22,664
Manufacture	\$330,149
Transportation, Warehousing and Information	\$118,460
Trade	\$61,898
Finance, Insurance and Real Estate	\$289,890
Services	\$21,989
Public Administration	\$43,343
<b>TOTAL PRODUCTION BY EMPLOYEE</b>	<b>\$918,264</b>

14. In order to calculate production per municipality, the production per worker in each one of the industries was multiplied by the employment in the industry in the coastal zone municipalities. The results are presented in Table 19.
15. The last estimate was the production of the coastal zone. In order to achieve this, the production per worker per industry was multiplied by the amount of jobs in the coastal zone and creating a table of production per industry and per municipality (See Table 20).



Table 19

Puerto Rico's total production by municipality- 2006									
Type of industry									
Municipalities in the coastal zone	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration	Total production by municipality
Aguada	\$1,642,896	\$21,009,600	\$175,969,667	\$52,984,873	\$8,766,014	\$54,789,286	\$42,108,233	\$37,664,923	\$394,935,493
Aguadilla	\$1,583,154	\$5,847,332	\$1,047,894,416	\$143,480,064	\$141,440,825	\$173,354,462	\$128,391,632	\$213,766,860	\$1,855,758,745
Añasco	\$1,583,154	\$8,589,685	\$662,609,985	\$26,616,233	\$3,435,330	\$22,901,342	\$19,525,907	\$34,110,811	\$779,372,447
Arecibo	\$10,932,723	\$16,250,144	\$1,302,109,507	\$171,581,854	\$50,700,731	\$214,808,789	\$208,232,361	\$282,898,681	\$2,257,514,791
Arroyo	\$537,675	\$407,953	\$249,923,148	\$7,303,989	\$0	\$4,058,466	\$8,729,488	\$23,578,502	\$294,539,221
Barceloneta	\$746,771	\$23,298,672	\$1,703,241,113	\$37,015,133	\$3,316,870	\$35,946,410	\$31,289,826	\$51,014,516	\$1,885,869,311
Cabo Rojo	\$4,510,495	\$22,505,429	\$444,711,335	\$73,039,895	\$7,226,039	\$45,802,684	\$42,679,938	\$48,023,861	\$688,499,676
Camuy	\$6,631,324	\$9,360,264	\$112,911,119	\$36,148,558	\$13,267,481	\$42,034,109	\$25,286,929	\$33,113,926	\$278,753,709
Carolina	\$448,062	\$60,105,134	\$1,566,889,382	\$860,570,894	\$704,479,553	\$586,158,397	\$541,558,059	\$241,246,217	\$4,561,455,698
Cataño	\$0	\$3,966,214	\$299,115,419	\$214,415,420	\$216,544,245	\$107,839,230	\$92,088,398	\$56,432,371	\$990,401,296
Ceiba	\$238,967	\$1,495,829	\$38,627,488	\$4,147,180	\$2,013,814	\$15,364,191	\$14,292,612	\$26,785,872	\$102,965,953
Culebra	\$0	\$0	\$0	\$1,237,964	\$0	\$5,797,808	\$989,489	\$12,049,308	\$20,074,569
Dorado	\$5,287,137	\$22,641,414	\$610,446,369	\$57,008,257	\$8,173,716	\$40,004,876	\$57,478,288	\$54,265,229	\$855,305,285
Fajardo	\$448,062	\$4,600,808	\$545,406,923	\$146,946,364	\$53,543,763	\$116,246,052	\$116,605,724	\$87,292,469	\$1,071,090,166
Guánica	\$4,211,787	\$5,575,363	\$109,609,624	\$5,385,145	\$2,724,572	\$9,856,274	\$7,937,897	\$31,943,669	\$177,244,330
Guayama	\$657,158	\$21,236,241	\$990,448,408	\$123,672,635	\$14,452,078	\$85,227,779	\$79,774,763	\$169,210,426	\$1,484,679,488
Guayanilla	\$4,809,203	\$974,555	\$23,440,612	\$9,965,613	\$6,989,119	\$4,348,356	\$9,235,226	\$28,953,013	\$88,715,699
Guaynabo	\$1,493,541	\$90,044,381	\$771,559,310	\$547,365,922	\$871,863,042	\$627,032,944	\$375,521,886	\$56,649,085	\$3,341,530,111
Hatillo	\$12,396,394	\$6,345,942	\$224,831,789	\$208,844,580	\$9,121,393	\$48,991,478	\$67,637,037	\$48,153,889	\$626,322,502
Humacao	\$1,523,412	\$19,400,451	\$1,010,587,526	\$169,415,417	\$49,397,675	\$163,208,297	\$179,317,308	\$172,071,053	\$1,764,921,138
Isabela	\$4,301,399	\$18,085,934	\$116,212,613	\$126,210,462	\$7,462,958	\$45,802,684	\$40,371,131	\$45,119,891	\$403,567,073
Juana Díaz	\$7,945,640	\$9,269,608	\$502,817,642	\$49,085,285	\$3,316,870	\$27,539,588	\$39,931,359	\$59,726,426	\$699,632,419
Lajas	\$6,661,195	\$4,600,808	\$305,388,259	\$24,449,795	\$3,553,790	\$26,669,917	\$9,631,022	\$30,730,070	\$411,684,855
Loíza	\$716,900	\$271,969	\$0	\$7,613,481	\$0	\$19,132,767	\$4,793,522	\$34,630,925	\$67,159,563
Luquillo	\$0	\$1,133,204	\$93,432,300	\$17,702,890	\$4,856,846	\$22,611,452	\$9,609,033	\$24,878,787	\$174,224,511
Manatí	\$3,674,112	\$10,493,468	\$1,310,033,095	\$152,207,713	\$13,622,860	\$83,488,436	\$130,766,404	\$93,447,151	\$1,797,733,239
Maunabo	\$1,135,091	\$271,969	\$5,282,392	\$5,756,534	\$1,066,137	\$0	\$1,253,352	\$56,475,713	\$71,241,188
Mayagüez	\$3,793,595	\$68,626,827	\$1,102,369,078	\$418,122,448	\$123,790,337	\$612,538,424	\$359,096,377	\$275,573,742	\$2,963,910,828
Naguabo	\$4,152,045	\$16,386,128	\$91,781,552	\$11,636,865	\$0	\$26,090,136	\$3,826,022	\$27,566,043	\$181,438,792
Patillas	\$1,254,575	\$589,266	\$25,751,659	\$18,940,854	\$0	\$12,175,397	\$7,168,295	\$32,853,869	\$98,733,914
Peñuelas	\$836,383	\$15,139,604	\$48,862,121	\$18,817,058	\$19,901,222	\$23,191,232	\$13,654,942	\$34,934,325	\$175,336,886
Ponce	\$4,928,687	\$68,105,554	\$1,451,997,366	\$566,740,064	\$227,797,912	\$543,834,398	\$533,158,401	\$475,254,180	\$3,871,816,561
Quebradillas	\$4,092,304	\$3,580,924	\$41,598,833	\$20,921,597	\$2,250,733	\$37,685,753	\$18,272,555	\$23,405,131	\$151,807,829
Rincón	\$537,675	\$2,039,767	\$64,709,296	\$16,279,231	\$0	\$25,800,246	\$10,686,476	\$22,191,531	\$142,244,222
Río Grande	\$1,254,575	\$679,922	\$189,175,646	\$43,885,835	\$14,215,158	\$61,746,656	\$72,144,707	\$61,113,397	\$444,215,896
Salinas	\$6,272,874	\$4,736,792	\$246,951,803	\$44,257,224	\$12,793,642	\$7,537,151	\$31,905,507	\$62,326,996	\$416,781,990
San Juan	\$7,856,028	\$590,059,265	\$1,924,111,108	\$2,621,884,625	\$2,048,285,850	\$8,083,593,914	\$2,664,934,447	\$2,840,093,231	\$20,780,764,468
Santa Isabel	\$33,096,878	\$11,989,297	\$347,977,541	\$59,112,796	\$2,250,733	\$18,552,986	\$10,312,669	\$29,993,241	\$513,286,142
Toa Baja	\$1,403,929	\$34,608,047	\$753,070,940	\$211,568,102	\$40,276,282	\$115,666,271	\$72,672,434	\$110,134,142	\$1,339,400,147
Vega Alta	\$1,105,221	\$11,037,406	\$260,157,782	\$69,883,086	\$19,427,383	\$72,472,601	\$33,884,484	\$44,556,434	\$512,524,396
Vega Baja	\$2,568,891	\$13,213,157	\$1,151,231,200	\$74,773,045	\$11,609,046	\$57,398,300	\$53,806,187	\$86,382,269	\$1,450,982,095
Vieques	\$0	\$2,561,041	\$59,096,755	\$8,913,343	\$7,936,797	\$11,305,726	\$10,136,760	\$32,333,755	\$132,284,176
Yabucoa	\$3,494,887	\$5,824,668	\$177,290,265	\$36,643,744	\$6,752,200	\$13,914,739	\$9,015,340	\$51,231,230	\$304,167,074
Yauco	\$18,938,105	\$10,924,085	\$161,112,941	\$99,841,822	\$6,159,902	\$75,661,395	\$52,684,766	\$69,261,850	\$494,584,867
<b>Total production by industry</b>	<b>\$179,702,906</b>	<b>\$1,247,884,122</b>	<b>\$22,320,745,328</b>	<b>\$7,622,393,887</b>	<b>\$4,744,782,919</b>	<b>\$12,428,181,398</b>	<b>\$6,242,397,192</b>	<b>\$6,333,385,006</b>	<b>\$61,119,472,758</b>

Table 20

Total production only in the coastal zone, by municipality and industry- 2006									
Type of industry									
Municipalities in the coastal zone	Agriculture, Forestry, Fishing and Hunting	Construction, Mining, Electricity, Water and Gas	Manufacture	Trade	Transportation, Warehousing and Information	Finance, Insurance and Real Estate	Services	Public Administration	Total production by municipality
Aguada	\$197,865	\$2,530,325	\$21,193,187	\$6,381,317	\$1,055,749	\$6,598,635	\$6,567,060	\$4,536,235	\$49,060,373
Aguadilla	\$288,606	\$1,065,959	\$191,029,505	\$26,156,190	\$25,784,440	\$31,602,246	\$42,575,709	\$38,969,362	\$357,472,018
Añasco	\$100,834	\$547,095	\$42,202,980	\$1,695,242	\$218,803	\$1,458,633	\$12,393,303	\$2,172,587	\$60,789,477
Arecibo	\$697,608	\$1,036,909	\$83,086,565	\$10,948,501	\$3,235,173	\$13,706,777	\$13,616,970	\$18,051,538	\$144,380,041
Arroyo	\$99,356	\$75,385	\$46,182,969	\$1,349,695	\$0	\$749,959	\$1,613,110	\$4,357,040	\$54,427,514
Barceloneta	\$76,195	\$2,377,218	\$173,785,665	\$3,776,740	\$338,428	\$3,667,696	\$3,192,574	\$5,205,130	\$192,419,647
Cabo Rojo	\$1,140,441	\$5,690,308	\$112,441,514	\$18,467,522	\$1,827,043	\$11,580,823	\$32,040,965	\$12,142,429	\$195,331,044
Camuy	\$492,289	\$694,878	\$8,382,179	\$2,683,559	\$984,938	\$3,120,485	\$1,877,225	\$2,458,277	\$20,693,829
Carolina	\$25,265	\$3,389,154	\$88,352,351	\$48,525,099	\$39,723,560	\$33,051,773	\$319,641,614	\$13,603,175	\$546,311,992
Cataño	\$0	\$2,741,605	\$206,760,495	\$148,212,480	\$149,684,009	\$74,542,772	\$63,655,169	\$39,008,303	\$684,604,833
Ceiba	\$74,551	\$466,655	\$12,050,650	\$1,293,799	\$628,251	\$4,793,180	\$3,026,671	\$8,356,411	\$30,690,168
Culebra	\$0	\$0	\$0	\$1,237,965	\$0	\$5,797,809	\$5,811,943	\$12,049,310	\$24,897,027
Dorado	\$1,032,325	\$4,420,785	\$119,190,981	\$11,130,986	\$1,595,936	\$7,811,039	\$92,008,397	\$10,595,404	\$247,785,853
Fajardo	\$109,233	\$1,121,631	\$132,964,773	\$35,824,059	\$13,053,436	\$28,339,629	\$77,266,118	\$21,281,034	\$309,959,913
Guánica	\$1,053,635	\$1,394,752	\$27,420,315	\$1,347,166	\$681,588	\$2,465,679	\$5,087,905	\$7,991,137	\$47,442,176
Guayama	\$83,656	\$2,703,374	\$126,084,088	\$15,743,527	\$1,839,750	\$10,849,497	\$10,155,328	\$21,540,488	\$188,999,708
Guayanilla	\$167,559	\$33,955	\$816,702	\$347,215	\$243,510	\$151,503	\$15,288,744	\$1,008,762	\$18,057,950
Guaynabo	\$225,355	\$13,586,469	\$116,417,775	\$82,590,051	\$131,552,240	\$94,610,718	\$56,661,130	\$8,547,574	\$504,191,311
Hatillo	\$874,148	\$447,492	\$15,854,306	\$14,726,947	\$643,207	\$3,454,698	\$5,337,537	\$3,395,634	\$44,733,968
Humacao	\$198,615	\$2,529,339	\$131,755,628	\$22,087,582	\$6,440,236	\$21,278,327	\$42,878,512	\$22,433,811	\$249,602,049
Isabela	\$475,100	\$1,997,635	\$12,835,965	\$13,940,252	\$824,302	\$5,059,018	\$21,730,970	\$4,983,602	\$61,846,844
Juana Díaz	\$450,714	\$525,816	\$28,522,198	\$2,784,350	\$188,149	\$1,562,176	\$2,265,096	\$3,387,966	\$39,686,464
Lajas	\$788,583	\$544,665	\$36,153,293	\$2,894,481	\$420,714	\$3,157,310	\$7,485,924	\$3,637,970	\$55,082,941
Loíza	\$276,657	\$104,955	\$0	\$2,938,101	\$0	\$7,383,483	\$1,849,857	\$13,364,342	\$25,917,395
Luquillo	\$0	\$183,854	\$15,158,680	\$2,872,159	\$787,986	\$3,668,536	\$755,295	\$4,036,394	\$27,462,905
Manatí	\$384,308	\$1,097,604	\$137,027,852	\$15,920,740	\$1,424,934	\$8,732,788	\$13,678,005	\$9,774,457	\$188,040,688
Maunabo	\$179,926	\$43,110	\$837,325	\$912,482	\$168,996	\$0	\$198,672	\$8,952,101	\$11,292,612
Mayagüez	\$258,039	\$4,667,975	\$74,982,794	\$28,440,556	\$8,420,179	\$41,664,669	\$121,365,154	\$18,744,438	\$298,543,804
Mana y Monito (islas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Naguabo	\$366,088	\$1,444,772	\$8,092,417	\$1,026,027	\$0	\$2,300,378	\$478,253	\$2,430,509	\$16,138,443
Patillas	\$135,909	\$63,836	\$2,789,700	\$2,051,879	\$0	\$1,318,971	\$4,484,779	\$3,559,089	\$14,404,163
Peñuelas	\$57,362	\$1,038,328	\$3,351,138	\$1,290,541	\$1,364,897	\$1,590,537	\$936,504	\$2,395,200	\$12,025,227
Ponce	\$236,016	\$3,261,317	\$69,530,657	\$27,139,036	\$10,908,380	\$26,042,170	\$199,552,701	\$22,758,123	\$359,428,400
Quebradillas	\$391,693	\$342,747	\$3,981,617	\$2,002,503	\$215,428	\$3,607,078	\$10,145,359	\$2,240,213	\$22,926,637
Rincón	\$179,942	\$682,641	\$21,656,005	\$5,448,106	\$0	\$8,634,467	\$15,372,344	\$7,426,752	\$59,400,256
Río Grande	\$99,904	\$54,143	\$15,064,393	\$3,494,707	\$1,131,978	\$4,916,996	\$52,029,251	\$4,866,568	\$81,657,941
Salinas	\$720,592	\$544,135	\$28,368,397	\$5,084,014	\$1,469,660	\$865,824	\$18,430,104	\$7,159,765	\$62,642,491
San Juan	\$1,005,057	\$75,488,946	\$246,160,222	\$335,429,539	\$262,046,458	\$1,034,170,670	\$1,062,042,675	\$363,339,043	\$3,379,682,609
Santa Isabela	\$6,412,930	\$2,323,075	\$67,424,955	\$11,453,836	\$436,107	\$3,594,871	\$600,010	\$5,811,562	\$98,057,346
Toa Baja	\$178,494	\$4,400,031	\$95,744,664	\$26,898,551	\$5,120,685	\$14,705,691	\$19,903,986	\$14,002,341	\$180,954,443
Vega Alta	\$66,406	\$663,175	\$15,631,408	\$4,198,879	\$1,167,281	\$4,354,468	\$2,035,927	\$2,677,144	\$30,794,689
Vega Baja	\$242,768	\$1,248,686	\$108,795,039	\$7,066,292	\$1,097,092	\$5,424,323	\$5,084,857	\$8,163,401	\$137,122,460
Vieques	\$0	\$2,561,041	\$59,096,755	\$8,913,343	\$7,936,797	\$11,305,726	\$8,511,528	\$32,333,755	\$130,658,943
Yabucoa	\$291,808	\$486,335	\$14,802,972	\$3,059,594	\$563,780	\$1,161,821	\$3,258,557	\$4,277,582	\$27,902,452
Yauco	\$154,495	\$89,118	\$1,314,344	\$814,500	\$50,252	\$617,239	\$429,797	\$565,037	\$4,034,777
<b>Total production by industry in the Coastal Zone</b>	<b>\$20,290,329</b>	<b>\$150,711,226</b>	<b>\$2,723,295,417</b>	<b>\$970,600,112</b>	<b>\$685,274,351</b>	<b>\$1,555,471,083</b>	<b>\$2,383,321,588</b>	<b>\$808,591,716</b>	<b>\$9,297,555,824</b>
<b>% of the coastal zone</b>	<b>0.22%</b>	<b>1.62%</b>	<b>29.29%</b>	<b>10.44%</b>	<b>7.37%</b>	<b>16.73%</b>	<b>25.63%</b>	<b>8.70%</b>	<b>100.00%</b>
<b>% of Puerto Rico</b>	<b>6.09%</b>	<b>8.28%</b>	<b>7.45%</b>	<b>9.06%</b>	<b>12.44%</b>	<b>10.56%</b>	<b>28.47%</b>	<b>9.60%</b>	<b>10.75%</b>
<b>Total for Puerto Rico</b>	<b>\$333,000,000</b>	<b>\$1,820,900,000</b>	<b>\$36,555,800,000</b>	<b>\$10,716,500,000</b>	<b>\$5,507,900,000</b>	<b>\$14,733,100,000</b>	<b>\$8,372,678,011</b>	<b>\$8,424,200,000</b>	<b>\$86,464,078,011</b>