

Headwaters to Ocean Conference

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Amounts and Distribution of Recreational Beach Expenditures in Southern California

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Objectives

- To measure direct and total beach expenditures for the average southern California beach visit
- To explore differences between beaches in cost categories (parking, food, shopping, lodging, rentals)
- To calculate site and regional amounts generated annually from beach expenditures

Methods

Visitors were surveyed (n = 2,455) at 14 beaches: June 22 – July 31, 2009

Los Angeles County

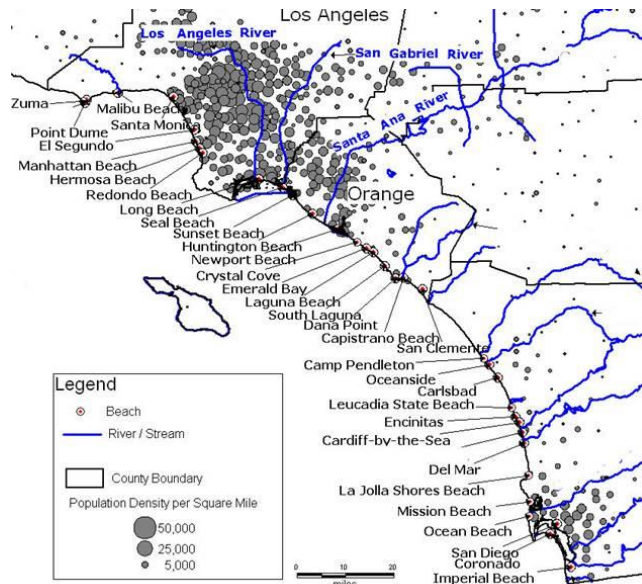
Zuma, Will Rogers, Santa Monica, Venice, Manhattan, Hermosa, Redondo, Mothers, Long Beach

Orange County

Huntington, Huntington State, Newport, Crystal Cove, Laguna

Analysis

- Data were analyzed in aggregate and stratified by beach
- Expenditures were calculated for several different cost categories (this is not a Travel-Cost study)
- Results were calculated at the level of average per person per trip



Results

Who goes to the beach?



Table 1: Demographics of Southern California Beach Visitors

88% of visitors were from California; 12% tourists (8% out-of-state; 4% foreign country)

Age (years)	Mean	34.8
Sex	Female	59%
Ethnicity	Caucasian	51%
	Hispanic	29%
	Mixed – Other	10%
	Asian	6%
	African American	3%
	Middle Eastern	1%
Annual Income (amounts in \$1,000)		
	\$0 - \$12	26%
	\$13 - \$24	7%
	\$25 - \$50	21%
	\$51 - \$75	17%
	\$76 - \$100	12%
	> \$100	17%

Results

How much money do they spend and on what?

Direct Beach Expenditures (DBE) = (Parking + Food + Shops + Rentals + Lodging)

2,455 participants reported spending \$113,148 in DBE (mean **\$46.09** per person trip)

	% of Visitors	Mean Expenditures	% of DBE
Lodging	12%	\$19.36	42%
Shopping	21%	\$10.60	23%
Food	31%	\$9.68	21%
Parking	61%	\$5.07	11%
Rentals	3%	\$1.38	3%

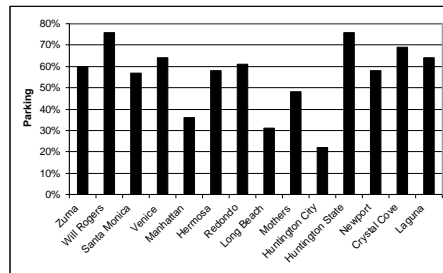
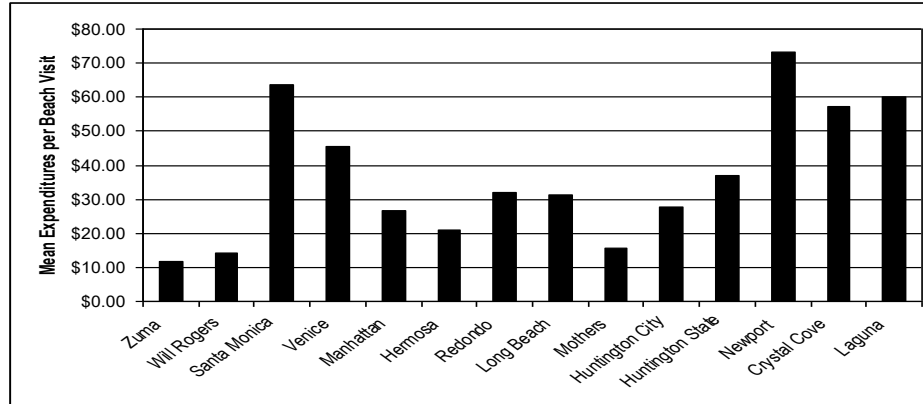
DBE = \$46.09 per person trip

Do a lot of people spend money at the beach?

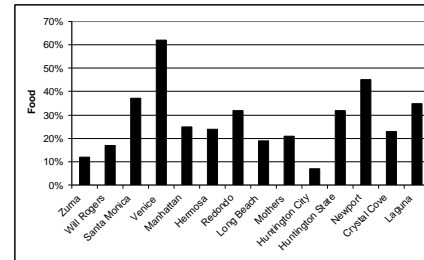
\$0	20%
Up to \$10	35%
Up to \$20	10%
Up to \$30	6%
Up to \$40	5%
Up to \$50	4%
Over \$50	20%

Results *How do beaches compare?*

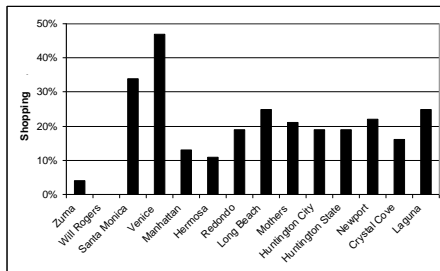
Mean Direct Beach Expenditures by Site (Parking + Food + Shopping + Lodging + Rentals)



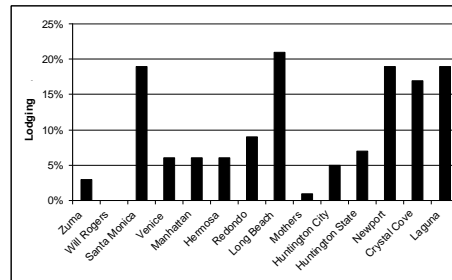
Parking



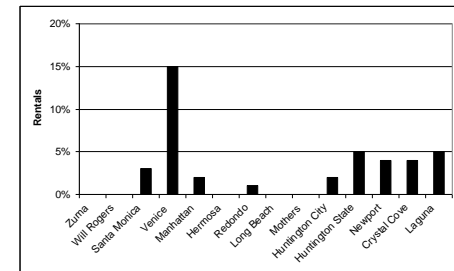
Food



Shopping



Lodging



Rentals

Results

What other expenses are there for a beach visit?

Off-Site Expenditures for Beach Trip

Fuel Costs = [(Mean distance) x (2, roundtrip)] / [(Mean mileage per gallon) x (Mean cost of fuel)] x [% that drove]

Fuel Costs = [(35 miles x 2) / (21.1 mpg) x (\$2.96)] x 90% = **\$8.84 per trip**

Equipment Costs = [Mean expenditures on beach gear] / [Median annual beach visits]

Equipment Costs = (\$106.06) / (10 trips) = **\$10.60 per trip**

Total Expenditures

Total Expenditures = [DBE (\$46.09)] + [Fuel (\$8.84)] + [Equipment (\$10.60)] = **\$65.53 per person trip**

Results

What does it add up to?

Regional Direct Beach Expenditures = [(129,549,073 trips*) x (42% adults**)] x [DBE (\$46.09)] = **\$2.5 billion** spent annually at beaches on parking, food, shopping, lodging and rentals.

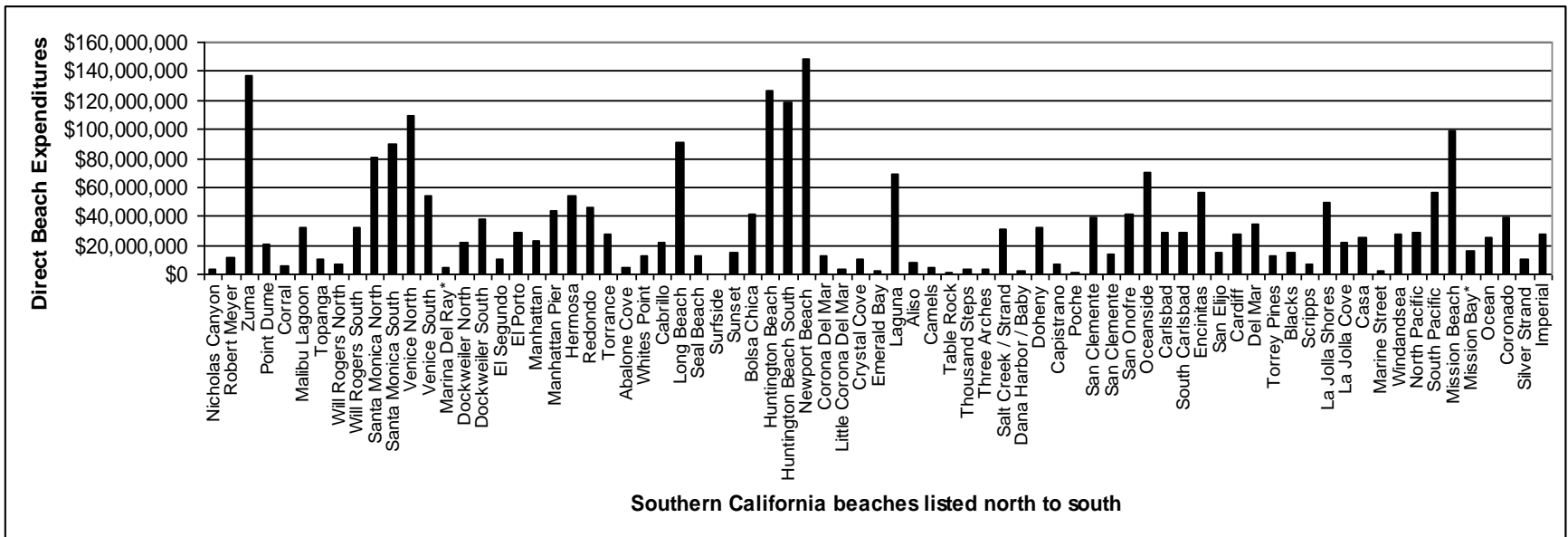
Regional Total Travel Expenditures = [(129,549,073 trips*) x (42% adults**)] x [TTE (\$65.53)] = **\$3.5 billion** spent annually on southern California beach trips.

* = From published beach attendance data for southern California beaches.

** = From published demographic data of beach visitors that included children. Considering only 42% of visitors to be 18 years or older and participating in the beach economy is very conservative.

33% of DBE at only 6 of 75 beaches (*Huntington, Newport, Zuma, Santa Monica, Venice and Mission*).

Annual Direct Beach Expenditures for 78 Southern California Beaches



Discussion

- The results provide baseline economic measures prior to a potential event in the future that may deny access to a public beach, such as from an oil spill.
- The results can be used by government agencies, beach managers and researchers by providing detailed measures of fiscal expenditures at different southern California beach types.
- Data show that direct beach expenditures were not equally distributed across beaches; some sites generated significantly more money per trip compared to other beaches.
- Dependent on the desires and limitations of each beach, managers can increase revenues by promoting among the five cost categories (parking, food, shopping, lodging, rentals).

Discussion

Zuma experiences over 7 million visitors annually.

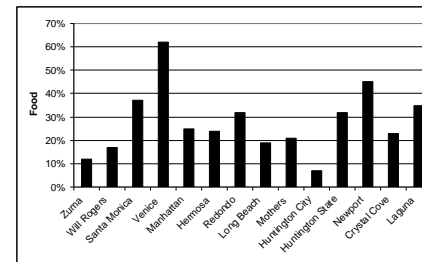
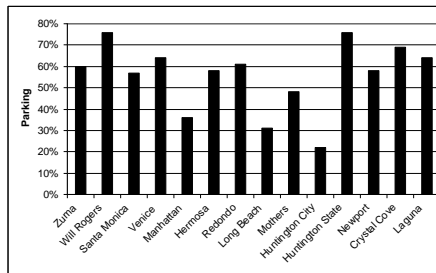
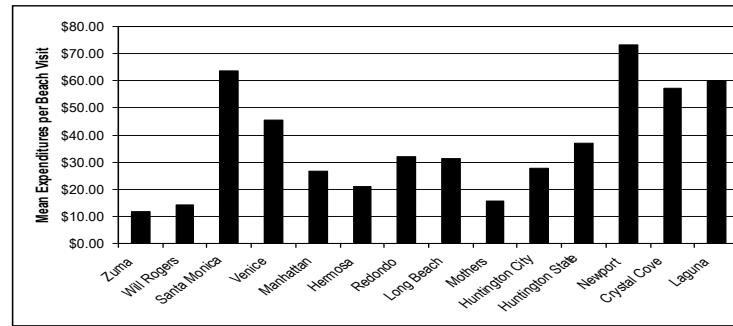
Mean expenditures per visitor were low (\$11.78), generating **\$35 million** a year in DBE.

Parking rates were high, and parking fees were high allowing little room to increase capitalization.

Participation rates in the services; food, shopping, rental and lodging were low.

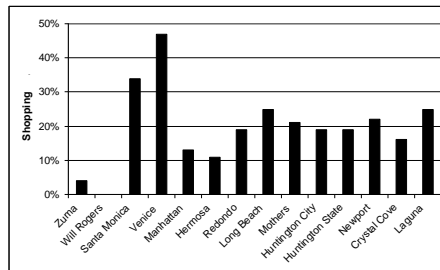
If Zuma were equal to the regional average DBE of \$46.09 per trip, the beach would generate over **\$136 million** annually in direct beach expenditures.

Mean Direct Beach Expenditures by Site (Parking + Food + Shopping + Lodging + Rentals)

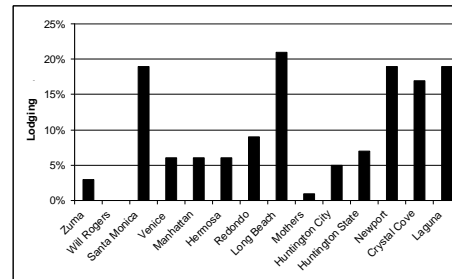


Parking

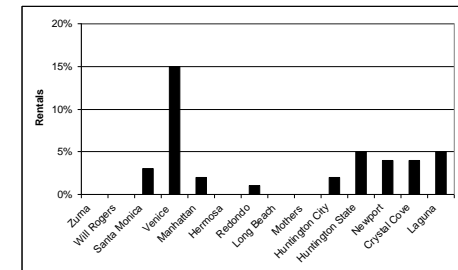
Food



Shopping



Lodging



Rentals

Conclusions

The beaches of southern California:

- generate billions of dollars annually in recreational expenditures.
- are a significant economic contributor to one of the world's largest economies.
- vary in their capture rates of beach expenditures for different cost categories.





Coastal Water Research Group