

New Jersey Shore Counties

- 127 miles of shoreline
- 7,837 acres of beach
- 456,000 acres of estuary & tidal bay
- 300,000 acres of coastal shelf
- 191,000 acres of saltwater wetlands



Source: "Valuing New Jersey's Natural Capital," NJ Dept. of Environmental Protection, April 2007.

NJ Shore Counties Population Change: 2000 - 2010

Geography	2000 (Census)	2010 (Census)	<u>Change</u>
Monmouth	615,301	630,380	2.5%
Ocean	510,916	576,567	12.8%
Atlantic	252,552	274,549	8.7%
Cape May	102,326	97,265	-4.9%
Shore County Total	1,481,095	1,578,761	6.6%
New Jersey (Balance)	6,933,255	7,213,133	4.0%

Economic Development & Demographic Pressures on the Jersey Shore



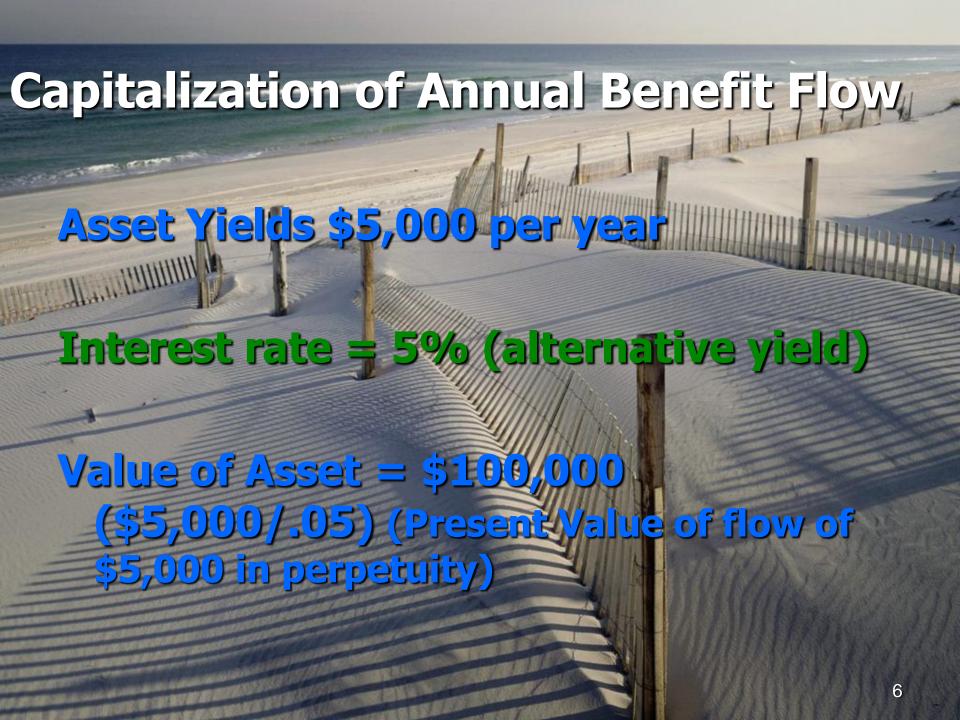
Economic Flows from Natural Capital (examples)

GOODS-

- Commercially harvested fish & shellfish
- Minerals
- Plants

SERVICES

- Outdoor recreation (beach visits, fishing, bird watching, etc.)
- Nutrient recycling
- Water filtration
- Buffering from floods & storms
- Aesthetic amenities
- Maintenance of biodiversity





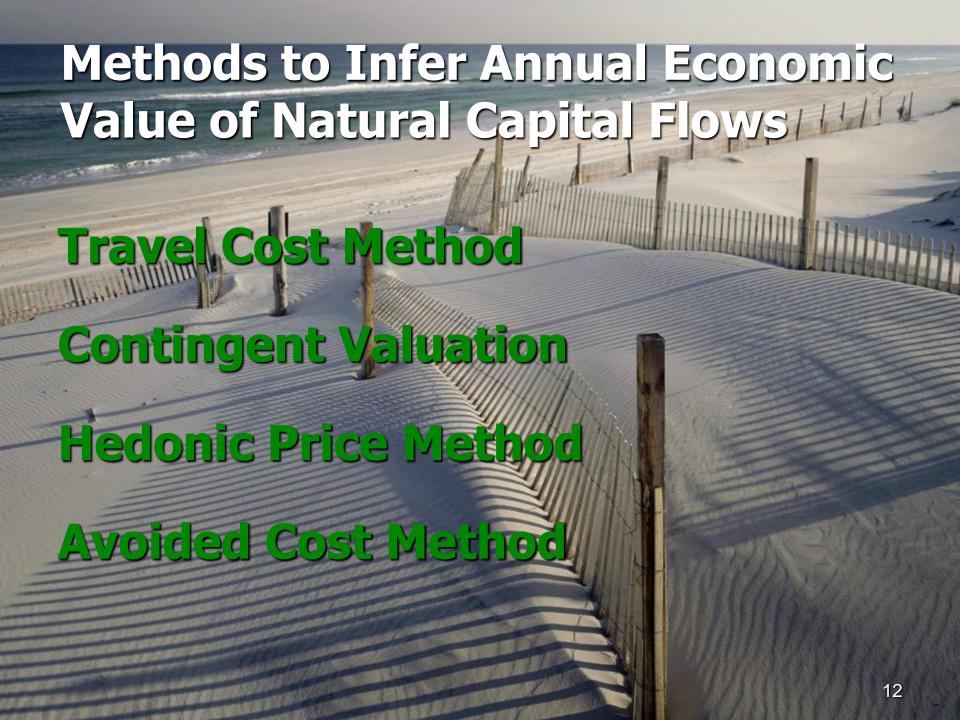


The Jersey Shore









Annual Beach Visitations (2000)

Selected States	# of Participants (millions)	# of Days (millions)
New Jersey	3.965	40.881
Florida	15.246	177.153
California	12.598	151.429
North Carolina	3.185	27.936

Only Florida, California and Hawaii have more beach days than New Jersey!

Beach Day



Annual Value of New Jersey Beach Visits

A 100 CO.	Method	\$ Value per Day	# of Days (millions)	Annual Value (\$MIn, 2007)
The state of the s	Travel Cost	\$31.45 ¹	40.881	\$1,286
A VICTORIONISM VIA	Contingent Valuation	\$5.36	40.881	\$219

- 1. New Jersey estimate: Leeworthy and Wiley, "Recreational Use Value for Island Beach State Park," Technical Report, National Oceanic and Atmospheric Administration, Strategic Environmental Assessments Division, Office of Ocean Resources and Conservation, 1991.
- 2. Massachusetts estimate: Kline and Swallow, "The Demand for Local Access to Coastal Recreation in Southern New England," *Coastal Management*, Vol. 26, Issue 3, July-September 1998.

Asset Value of New Jersey Beaches

Method	Annual Value (\$Min, 2007)	Discount Rate	Asset Value (\$MIn, 2007)
Travel Cost	\$1,286	5%	\$25,720
Contingent Valuation	\$219	5%	\$4,380
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References

The National Ocean Economics Program at the Monterey Institute of International Studies offers a wide range of resources on measuring non-market values of natural resources, including:

- Valuation Estimates
- Descriptions of Valuation Methodologies
- References and Links to Academic Analyses and Technical Reports
- http://oceaneconomics.org/nonmarket/

References

The National Survey on Recreation and the Environment (2000) provides comprehensive data and projections on marine recreation participation patterns

http://marineeconomics.noaa.gov/nsre/nsre2000.html

References

"Valuing New Jersey's Natural Capital: An Assessment of the Economic Value of the State's Natural Resources"

This study provides a comprehensive assessment of the value of all of New Jersey's natural resources.

http://www.state.nj.us/dep/dsr/natura lcap/