

Coastal Zone Management Act Performance Measurement System

Contextual Indicator Results

REGIONAL DELINEATIONS

The contextual indicator results are summarized at the national and regional scales where appropriate, with states and territories aligned to regions as follows:

Northeast – ME, NH, MA, RI, CT, NY (parts)¹

Mid-Atlantic – NJ, PA (parts), DE, MA, VA

Southeast – NC, SC, GA, FL (parts)

Gulf of Mexico – FL (parts), AL, MS, LA, TX

West Coast – CA, OR, WA

Alaska – AK

Great Lakes – PA (parts), NY (parts), OH, MI, IN, WI, MN

Islands and Territories – HI, PR, GU, CNMI, AS, USVI

Index indicators, as reported via the National Coastal Condition Report (NCCR), are the exception to this rule. Regions are delineated by the NCCR as follows:

Northeast – ME, NH, MA, RI, CT, NJ, DE, MD, VA

Southeast – NC, SC, GA, FL (east coast)

Gulf Coast – FL (west coast), AL, MS, LA, TX

West Coast – CA, OR, WA

Great Lakes – PA, NY, OH, MI, IN, IL, WI, MN

Puerto Rico – Puerto Rico

RESULTS

Approximate coastal zone area (land only)

National: 303,420 square miles or 194,189,000 acres

Source: NOAA Special Projects Office

Coverage: All coastal states and territories except Michigan, Indiana, Alaska, and Puerto Rico

Last updated by OCRM: 2007

Approximate coastal watershed area

National: 364,000 square miles or 232,960,000 acres

Source: NOAA Special Projects Office (using Coastal Assessment Framework)

Coverage: All coastal states except AK and HI; no territories

Last updated by OCRM: 2007

¹ For NY, PA, and FL, their coastal zone falls into two different regions. For the indicators where data is available to the county scale, the state information is split between the two regions according to their counties. When data is not available at the county level, and thus not easily split between two regions, PA is included in the Great Lakes region, NY is included in the Northeast region, and FL is included in the Southeast region.

Percent change in population of coastal counties (1990-2000)

National: 10.9% (From 110,495,951 people in coastal counties in 1990 to 122,506,267 in 2000)

Northeast: 7.1%	West Coast: 12.6%
Mid-Atlantic: 8.9%	Alaska: 14.9%
Southeast: 23.4%	Great Lakes: 4.0%
Gulf of Mexico: 18.0%	Islands and Territories: 6.7%

Source: U.S. Census

Coverage: All coastal states and territories

Last updated by OCRM: 2006 (for 1990 and 2000 data)

Current estimated population in coastal counties (2005)

National: 126,941,249 people

Northeast: 23,203,483 people	West Coast: 30,815,572 people
Mid-Atlantic: 19,837,653 people	Alaska: 561,463 people
Southeast: 12,806,644 people	Great Lakes: 19,495,992 people
Gulf of Mexico: 15,838,824 people	Islands and Territories: 4,381,628 people

Source: U.S. Census

Coverage: All coastal states and territories

Last updated by OCRM: 2006 (for 2005 data)

Proportion of national population in coastal counties (2000)

National: 43.5% (122,506,267 people living in coastal counties in 2000 out of 281,421,906 in U.S.)

Northeast: 8.1%	West Coast: 10.5%
Mid-Atlantic: 6.8%	Alaska: 0.4%
Southeast: 4.2%	Great Lakes: 6.9%
Gulf of Mexico: 5.3%	Islands and Territories: 1.5%

Source: U.S. Census

Coverage: All coastal states and territories

Last updated by OCRM: 2006 (for 2000 data)

Population density in coastal counties (2000)

National: 145 people/sq. mile

Northeast: 813 people/sq. mile	West Coast: 401 people/sq. mile
Mid-Atlantic: 799 people/sq. mile	Alaska: 1 person/sq. mile
Southeast: 297 people/sq. mile	Great Lakes: 277 people/sq. mile
Gulf of Mexico: 212 people/sq. mile	Islands and Territories: 464 people/sq. mile

Source: U.S. Census

Coverage: All coastal states and territories

Last updated by OCRM: 2006 (for 2000 data)

Percent change in value of coastal tourism and recreation

National: 4.62%

Northeast: 4.11%
Mid-Atlantic: 3.98%
Southeast: 7.93%
Gulf of Mexico: 0.05%

West Coast: 4.14%
Alaska: 3.89%
Great Lakes: 0.51%
Islands and Territories: 7.55% (Hawaii only)

*Source: National Ocean Economics Program
Coverage: All coastal states; no territories
Last updated by OCRM: 2007 (for 2004 data)*

Percent of national employment attributable to coastal counties

National: 42.5% (54,927,906 jobs in coastal counties out of 129,146,700 total jobs in U.S.)

Northeast: 8.0%
Mid-Atlantic: 6.8%
Southeast: 4.1%
Gulf of Mexico: 5.2%

West Coast: 11.1%
Alaska: 0.2%
Great Lakes: 6.8%
Islands and Territories: 0.5% (Hawaii only)

*Source: National Ocean Economics Program (states)
Coverage: All coastal states; no territories
Last updated by OCRM: 2007 (for 2004 data)*

Percent of employment within coastal counties dependent on coastal and ocean resources

National: 4.2% (2,323,903 jobs out of 54,927,906 total jobs in coastal counties)

Northeast: 4.1%
Mid-Atlantic: 3.1%
Southeast: 5.4%
Gulf of Mexico: 6.3%

West Coast: 3.7%
Alaska: 14.9%
Great Lakes: 2.8%
Islands and Territories: 16.8% (Hawaii only)

*Source: National Ocean Economics Program
Coverage: All coastal states; no territories
Last updated by OCRM: 2007 (for 2004 data)*

Number of businesses in coastal counties dependent on coastal and ocean resources

National: 125,010 businesses

Northeast: 29,349 businesses
Mid-Atlantic: 14,314 businesses
Southeast: 14,529 businesses
Gulf of Mexico: 20,281 businesses

West Coast: 27,401 businesses
Alaska: 2,210 businesses
Great Lakes: 12,626 businesses
Islands and Territories: 3,840 businesses (Hawaii only)

*Source: National Ocean Economics Program
Coverage: All coastal states; no territories
Last updated by OCRM: 2007 (for 2004 data)*

Percent of national economy attributable to coastal counties

National: 49.0%

Northeast: 10.4%

Mid-Atlantic: 7.7%

Southeast: 3.9%

Gulf of Mexico: 5.1%

West Coast: 14.2%

Alaska: 0.2%

Great Lakes: 6.9%

Islands and Territories: 0.4% (Hawaii only)

Source: National Ocean Economics Program (states)

Coverage: All coastal states; no territories

Last updated by OCRM: 2007 (for 2004 data)

Number of invasive species identified in coastal watersheds

National: 888

Northeast: 175

Mid-Atlantic: 197

Southeast: 127

Gulf of Mexico: 54

West Coast: 283

Alaska: 10

Great Lakes: 233

Islands and Territories²: 269 (Hawaii), 289 (all others)

Source: U.S. Geological Survey

Coverage: All coastal states

Last updated by OCRM: 2005

Source: IUCN Species Survival Commission

Coverage: Island territories

Last updated by OCRM: 2005

Coastal habitat index

National: Poor

Northeast: Fair to good

Southeast: Fair

Gulf of Mexico: Poor

West Coast: Poor

Great Lakes: Fair to poor

Puerto Rico: n/a

Source: National Coastal Condition Report II

Coverage: All coastal states and Puerto Rico

Last updated by OCRM: 2005 (using 2004 NCCR II)

Water-use in coastal counties

National: 174,115 Mgal/d

Northeast: 6,555 Mgal/d (does not include ME and CT; includes NY)

West Coast: 8,538 Mgal/d (does not include OR)

Mid-Atlantic: 5,109 Mgal/d (does not include PA)

Southeast: 5,850 Mgal/d (includes FL)

² Total for "Island and Territories" is not possible given the different source data.

Great Lakes: 23,807 Mgal/d (does not include PA)
Gulf of Mexico: 7,965 Mgal/d (does not include FL or TX)
Alaska: 1,329 Mgal/d
Islands and Territories: 331 Mgal/d (PR only)

Source: U.S. Geological Survey
Coverage: All coastal states, except PA, ME, CT
Last updated by OCRM: 2005 (for 2000 data)

Water quality index

National: Fair

Northeast: Fair to poor	West Coast: Fair
Southeast: Fair to good	Great Lakes: Fair
Gulf of Mexico: Fair to poor	Puerto Rico: Fair

Source: National Coastal Condition Report II
Coverage: All coastal states and Puerto Rico
Last updated by OCRM: 2006 (using 2004 NCCR II)

Sediment quality index

National: Fair to poor

Northeast: Poor	West Coast: Fair to poor
Southeast: Fair to good	Great Lakes: Poor
Gulf of Mexico: Fair	Puerto Rico: Poor

Source: National Coastal Condition Report II
Coverage: All coastal states and Puerto Rico
Last updated by OCRM: 2006 (using 2004 NCCR II)

Benthic index

National: Fair to poor

Northeast: Poor	West Coast: Fair
Southeast: Fair	Great Lakes: Fair to poor
Gulf of Mexico: Fair to poor	Puerto Rico: n/a

Source: National Coastal Condition Report II
Coverage: All coastal states and Puerto Rico
Last updated by OCRM: 2006 (using 2004 NCCR II)

Proportion of Federal Disaster Declarations occurring in coastal areas

National 2006: 34/52
National 2005: 30/48
National 2004: 50/68

Source: Federal Emergency Management Agency (FEMA)

Coverage: All coastal states and territories

Last updated by OCRM: 2007 (for 2006 data)

Proportion of coastal Federal Disaster Declarations that are directly related to coastal hazards

National 2006: 2/34

National 2005: 15/30

National 2004: 29/50

Source: Federal Emergency Management Agency (FEMA)

Coverage: All coastal states and territories

Last updated by OCRM: 2007 (for 2006 data)

Total estimated cost of all billion-dollar weather disasters related to coastal hazards

National 2006: \$0

National 2005: Over \$110 billion

National 2004: Over \$44.9 billion

Source: NOAA National Climatic Data Center (NCDC)

Coverage: All coastal states and territories

Last updated by OCRM: 2007 (for 2006 data)

Percent land cover change in coastal areas

National: Forthcoming

Regional Land Cover Change 1996-2001		
Land Cover Category	West Coast Region	Great Lakes Region
High Intensity Developed	3.71%	7.18%
Low Intensity Developed	2.57%	2.20%
Cultivated Land	0.67%	0.34%
Grassland	-1.89%	-1.23%
Deciduous Forest	-1.05%	-0.66%
Evergreen Forest	-2.69%	-2.13%
Mixed Forest	-1.86%	0.04%
Scrub/shrub	4.50%	2.64%
Woody Wetland	-0.05%	-0.34%
Emergent Herbaceous Wetland	-0.02%	0.59%
Barren Land	9.88%	22.85%
Water	-0.07%	0.99%

Source: Coastal Change Analysis Program (C-CAP), NOAA Coastal Services Center

Coverage: National data available summer 2007

Last updated by OCRM: 2006 (for available C-CAP regional data)