

# Coastal Zone Management Act Performance Measurement System

## Contextual Indicators

### 2008 Report

#### INTRODUCTION

The Coastal Zone Management Act (CZMA) Performance Measurement System includes 21 contextual indicators. Data on the contextual indicators, collected by NOAA's office of Ocean and Coastal Resource Management (OCRM), supplement state-collected performance measurement data and are intended to give context to state activities by illustrating the many pressures on coastal areas. This report is the second annual report on the contextual indicators, offering 2007 indicator data where available.

#### REGIONAL DELINEATIONS

The contextual indicator data are generally reported at the national and regional scales according to the below regional delineations. New data in this report are also provided at the state scale where available.

Northeast – ME, NH, MA, RI, CT, NY (parts)<sup>1</sup>  
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

The index indicators in numbers 13 and 15-17, as reported via the National Coastal Condition Report (NCCR), are reported according to the below regional delineations:

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

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<sup>1</sup> The NY, PA, and FL coastal zones each fall into two different regions. For the indicators with data available at the county scale, state information is split accordingly between regions. When data is not available at the county scale, PA is included in the Great Lakes, NY is included in the Northeast, and FL is included in the Southeast.

## DATA

### 1. 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 Report*

### 2. Approximate coastal watershed area

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

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

*Coverage: Contiguous coastal states excluding AK*

*Last updated by OCRM: 2007 Report*

### 3. 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 Bureau*

*Coverage: All coastal states and territories*

*Last updated by OCRM: 2007 Report (using 1990 and 2000 data)*

### 4. Current estimated population in coastal counties (2007)

**National:** 120,856,797 estimated people

<b>Geographic Area</b>	<b>Estimated population</b>
WA	4,443,491
OR	1,466,026
CA	25,177,459
<b>West Coast</b>	<b>31,086,976</b>
TX	5,960,925
LA	1,933,591
MS	345,890
AL	576,175
FL Counties	7,794,628
<b>Gulf Coast</b>	<b>16,611,209</b>

FL Counties	10,456,615
GA	591,268
SC	1,148,696
NC	931,242
<b>Southeast</b>	<b>13,127,821</b>
VA	4,626,967
MD	3,135,148
DE	864,764
NJ	7,806,882
PA counties	2,625,177
<b>Mid-Atlantic</b>	<b>19,058,938</b>
CT	2,172,035
MA	4,855,948
ME	982,846
NH	418,124
NY Counties	13,850,044
RI	1,057,832
<b>Northeast</b>	<b>23,336,829</b>
MI	4,850,520
MN	246,726
OH	2,679,464
PA counties	279,092
WI	2,043,182
NY Counties	2,554,001
<b>Great Lakes</b>	<b>12,652,985</b>
<b>Alaska</b>	<b>576,627</b>
Hawaii	1,283,388
Puerto Rico	2,697,911
American Samoa	57,663
Guam	173,456
Northern Mariana Islands	84,546
USVI	108,448
<b>Islands and Territories</b>	<b>4,405,412</b>

Source: U.S. Census Bureau

Coverage: All coastal states and territories

Last updated by OCRM: 2008 Report (using 2007 data)

## 5. 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%

Mid-Atlantic: 6.8%

Southeast: 4.2%

Gulf of Mexico: 5.3%

West Coast: 10.5%

Alaska: 0.4%

Great Lakes: 6.9%

Islands and Territories: 1.5%

*Source: U.S. Census Bureau*

*Coverage: All coastal states and territories*

*Last updated by OCRM: 2007 Report (using 2000 data)*

## 6. Population density in coastal counties (2000)

**National:** 145 people/sq. mile

Northeast: 813 people/sq. mile

Mid-Atlantic: 799 people/sq. mile

Southeast: 297 people/sq. mile

Gulf of Mexico: 212 people/sq. mile

West Coast: 401 people/sq. mile

Alaska: 1 person/sq. mile

Great Lakes: 277 people/sq. mile

Islands and Territories: 464 people/sq. mile

*Source: U.S. Census Bureau*

*Coverage: All coastal states and territories*

*Last updated by OCRM: 2007 Report (using 2000 data)*

## 7. 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 Report (using 2004 data)*

## 8. Percent of national employment attributable to coastal counties

**National:** 66.52% (88,213,760 wage and salary jobs in coastal counties out of 132,604,980 occupational employees in U.S.)

<b>Geographic Area</b>	<b>Contribution to National Employment</b>
WA	2.14%
OR	1.27%
CA	11.47%
<b>West Coast</b>	<b>14.88%</b>
TX	7.40%
LA	1.36%
MS	0.81%
AL	1.42%
FL Counties	1.78%
<b>Gulf Coast</b>	<b>12.76%</b>
FL Counties	2.58%
GA	2.97%
SC	1.35%
NC	2.94%
<b>Southeast</b>	<b>9.84%</b>
VA	2.70%
MD	1.87%
DE	0.31%
NJ	2.91%
PA counties	0.83%
<b>Mid-Atlantic</b>	<b>8.63%</b>
CT	1.23%
MA	2.38%
ME	0.45%
NH	0.46%
NY Counties	2.76%
RI	0.36%
<b>Northeast</b>	<b>7.63%</b>
MI	3.11%
MN	1.99%
OH	3.97%
PA counties	0.10%
WI	2.05%
NY Counties	0.86%
<b>Great Lakes</b>	<b>12.08%</b>
<b>Alaska</b>	<b>0.23%</b>
<b>Hawaii</b>	<b>0.47%</b>

*Source: Bureau of Labor Statistics, Occupational Employment Statistics (OES) Program for total national occupational employment; National Ocean Economics Program for state employment.  
Coverage: All coastal states; no territories  
Last updated by OCRM: 2008 Report (using 2006 data)*

## 9. 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%	West Coast: 3.7%
Mid-Atlantic: 3.1%	Alaska: 14.9%
Southeast: 5.4%	Great Lakes: 2.8%
Gulf of Mexico: 6.3%	Islands and Territories: 16.8% (Hawaii only)

*Source: National Ocean Economics Program*

*Coverage: All coastal states; no territories*

*Last updated by OCRM: 2007 Report (using 2004 data)*

## 10. Number of businesses in coastal counties dependent on coastal and ocean resources

**National:** 125,010 businesses

Northeast: 29,349 businesses	West Coast: 27,401 businesses
Mid-Atlantic: 14,314 businesses	Alaska: 2,210 businesses
Southeast: 14,529 businesses	Great Lakes: 12,626 businesses
Gulf of Mexico: 20,281 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 Report (using 2004 data)*

## 11. Percent of national economy attributable to coastal counties

**National:** 67.66% (8,927,685,822,909 dollars out of 13,194,700,000,000 dollars)

Geographic Area	Contribution to National Economy
WA	2.22%
OR	1.15%
CA	13.09%
<b>West Coast</b>	<b>16.46%</b>
TX	8.08%
LA	1.46%
MS	0.64%
AL	1.22%
FL Counties	1.59%
<b>Gulf Coast</b>	<b>12.99%</b>
FL Counties	2.67%
GA	2.88%
SC	1.13%
NC	2.84%
<b>Southeast</b>	<b>9.51%</b>

VA	2.80%
MD	1.95%
DE	0.44%
NJ	3.43%
PA counties	0.88%
<b>Mid-Atlantic</b>	<b>9.51%</b>
CT	1.55%
MA	2.56%
ME	0.36%
NH	0.43%
NY Counties	2.51%
RI	0.35%
<b>Northeast</b>	<b>7.74%</b>
MI	2.89%
MN	1.85%
OH	3.50%
PA counties	0.07%
WI	1.72%
NY Counties	0.66%
<b>Great Lakes</b>	<b>10.69%</b>
<b>Alaska</b>	<b>0.31%</b>
<b>Hawaii</b>	<b>0.44%</b>

*Source: Bureau of Economic Analysis for national gross domestic product; National Ocean Economics Program for state gross domestic products.*

*Coverage: All coastal states; no territories*

*Last updated by OCRM: 2008 Report (using 2006 data)*

## 12. 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 Territories<sup>2</sup>: 269 (Hawaii), 289 (all others)

*Source: U.S. Geological Survey; IUCN*

*Coverage: All coastal states and territories*

*Last updated by OCRM: 2007 Report (using 2005 data)*

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

### 13. 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: Contiguous coastal states excluding Alaska; Puerto Rico*

*Last updated by OCRM: 2007 Report (using 2004 NCCR II)*

### 14. 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)

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: 2007 Report (using 2000 data)*

### 15. Water quality index

**National:** Fair

Northeast: Fair to poor

Southeast: Fair to good

Gulf of Mexico: Fair to poor

West Coast: Fair

Great Lakes: Fair

Puerto Rico: Fair

*Source: National Coastal Condition Report II*

*Coverage: Contiguous coastal states excluding Alaska; Puerto Rico*

*Last updated by OCRM: 2007 Report (using 2004 NCCR II)*



## 16. Sediment quality index

**National:** Fair to poor

Northeast: Poor

Southeast: Fair to good

Gulf of Mexico: Fair

West Coast: Fair to poor

Great Lakes: Poor

Puerto Rico: Poor

*Source: National Coastal Condition Report II*

*Coverage: Contiguous coastal states excluding Alaska; Puerto Rico*

*Last updated by OCRM: 2007 Report (using 2004 NCCR II)*

## 17. Benthic index

**National:** Fair to poor

Northeast: Poor

Southeast: Fair

Gulf of Mexico: Fair to poor

West Coast: Fair

Great Lakes: Fair to poor

Puerto Rico: N/A

*Source: National Coastal Condition Report II*

*Coverage: Contiguous coastal states excluding Alaska; Puerto Rico*

*Last updated by OCRM: 2007 Report (using 2004 NCCR II)*

## 18. Proportion of Federal Disaster Declarations occurring in coastal areas

**National 2007:** 33/63

**National 2006:** 34/52

**National 2005:** 30/48

*Source: Federal Emergency Management Agency (FEMA)*

*Coverage: All coastal states and territories*

*Last updated by OCRM: 2008 Report (using 2007 data)*

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

**National 2007:** 1/33

**National 2006:** 2/34

**National 2005:** 15/30

*Source: Federal Emergency Management Agency (FEMA)*

*Coverage: All coastal states and territories*

*Last updated by OCRM: 2008 Report (using 2007 data)*

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

**National 2007:** \$0

**National 2006:** \$0

**National 2005:** Over \$110 billion

*Source: NOAA National Climatic Data Center (NCDC)*

*Coverage: All coastal states and territories*

*Last updated by OCRM: 2008 Report (using 2007 data)*

## 21. Percent land cover change in coastal areas

**National:**

National Land Cover Change (sq. mi.), 1996-2001	
Land Cover Category	% Change
High Intensity Developed	5.25%
Medium Intensity Developed	4.55%
Low Intensity Developed	4.31%
Developed Open Space	4.02%
Cultivated	0.29%
Grassland	0.86%
Deciduous Forest	-0.47%
Evergreen Forest	-3.45%
Mixed Forest	-2.17%
Scrub/Shrub	4.92%
Woody Wetland	-1.14%
Emergent Wetland	1.97%
Unconsolidated Shore	2.86%
Barren Land	6.32%
Open Water	-0.08%
Perennial Ice/Snow	N/A

**Regional:**

<b>West Coast Regional Land Cover Change (sq. mi.), 1996-2001</b>				
	<b>State</b>			
<b>Land Cover Category</b>	<b>CA</b>	<b>OR</b>	<b>WA</b>	<b>Regional Total</b>
High Intensity Developed	2.20%	5.66%	2.59%	2.69%
Medium Intensity Developed	3.09%	5.79%	2.74%	3.28%
Low Intensity Developed	2.34%	3.37%	3.28%	2.77%
Developed Open Space	2.22%	1.29%	3.49%	2.36%
Cultivated	1.14%	1.26%	1.69%	1.25%
Grassland	-0.65%	-14.17%	-2.64%	-2.43%
Deciduous Forest	1.23%	-5.05%	1.16%	-0.29%
Evergreen Forest	-0.77%	-1.82%	-1.42%	-1.39%
Mixed Forest	0.55%	-2.55%	-5.67%	-1.71%
Scrub/Shrub	-0.21%	14.52%	10.40%	3.60%
Woody Wetland	-0.26%	0.00%	-0.02%	-0.06%
Emergent Wetland	0.08%	0.01%	-0.02%	0.02%
Unconsolidated Shore	1.36%	0.12%	0.09%	0.34%
Barren Land	0.44%	40.03%	-5.58%	1.74%
Open Water	-0.11%	-0.01%	0.00%	-0.08%
Perennial Ice/Snow	N/A			

**Regional:**

<b>Gulf Coast Regional Land Cover Change (sq. mi.), 2001-2005</b>					
	<b>State</b>				
<b>Land Cover Category</b>	<b>TX</b>	<b>LA</b>	<b>MS</b>	<b>AL</b>	<b>Regional Total</b>
High Intensity Developed	11.99%	22.45%	7.00%	-4.95%	12.69%
Medium Intensity Developed	4.38%	-0.21%	5.61%	-1.87%	3.30%
Low Intensity Developed	0.09%	-1.36%	0.34%	-2.93%	-0.70%
Developed Open Space	0.23%	3.97%	1.72%	-1.73%	0.54%
Cultivated	0.37%	-1.24%	-7.91%	0.29%	-0.40%
Grassland	1.67%	6.60%	46.89%	36.33%	8.00%
Deciduous Forest	-2.55%	-1.60%	-0.41%	-10.13%	-2.65%
Evergreen Forest	-3.26%	-5.56%	-6.92%	-17.81%	-8.88%
Mixed Forest	-4.71%	-7.55%	-5.22%	-11.75%	-7.64%
Scrub/Shrub	0.21%	21.56%	14.13%	33.64%	6.45%
Woody Wetland	-1.92%	-2.05%	-3.72%	-5.79%	-3.07%
Emergent Wetland	-0.26%	-1.32%	1.64%	-1.70%	-0.96%
Unconsolidated Shore	0.61%	2.62%	5.66%	6.50%	1.29%
Barren Land	14.36%	-6.95%	-11.84%	-27.14%	1.67%
Open Water	1.51%	0.67%	0.70%	-0.10%	0.89%
Perennial Ice/Snow	N/A				

**Regional:**

<b>Southeast Regional Land Cover Change (sq. mi.), 1996-2001</b>					
	<b>State</b>				
<b>Land Cover Category</b>	<b>FL</b>	<b>GA</b>	<b>SC</b>	<b>NC</b>	<b>Regional Total</b>
High Intensity Developed	16.62%	1.79%	2.57%	1.01%	12.54%
Medium Intensity Developed	9.55%	3.11%	5.90%	3.23%	8.58%
Low Intensity Developed	10.09%	5.67%	5.93%	3.20%	7.84%
Developed Open Space	6.41%	4.47%	12.05%	5.66%	6.79%
Cultivated	-0.94%	2.51%	2.13%	1.09%	0.90%
Grassland	-1.23%	5.36%	-0.22%	14.66%	3.21%
Deciduous Forest	6.28%	9.47%	23.14%	10.76%	11.02%
Evergreen Forest	-3.27%	-3.01%	-9.11%	-9.31%	-5.23%
Mixed Forest	3.71%	6.88%	15.58%	8.30%	7.67%
Scrub/Shrub	-0.84%	-4.98%	17.00%	14.05%	3.84%
Woody Wetland	-1.67%	-3.29%	-3.86%	-2.76%	-2.57%
Emergent Wetland	3.02%	12.98%	8.36%	6.60%	5.29%
Unconsolidated Shore	-2.84%	-1.38%	-13.21%	-1.64%	-3.97%
Barren Land	15.62%	29.64%	9.76%	2.28%	14.34%
Open Water	-0.19%	-0.24%	0.72%	0.19%	-0.01%
Perennial Ice/Snow	N/A				

**Regional:**

<b>Mid-Atlantic Regional Land Cover Change (sq. mi.), 2001-2005</b>					
	<b>State</b>				
<b>Land Cover Category</b>	<b>VA</b>	<b>MD</b>	<b>DE</b>	<b>NJ</b>	<b>Regional Total</b>
High Intensity Developed	13.55%	9.50%	13.77%	4.43%	7.97%
Medium Intensity Developed	5.42%	2.52%	3.79%	2.00%	3.02%
Low Intensity Developed	2.72%	0.70%	3.61%	1.01%	1.54%
Developed Open Space	-0.32%	-0.57%	0.61%	-0.07%	-0.27%
Cultivated	0.92%	0.00%	-0.77%	-0.74%	0.14%
Grassland	116.97%	27.75%	57.04%	9.30%	72.59%
Deciduous Forest	-1.97%	-1.13%	-1.34%	-0.77%	-1.46%
Evergreen Forest	-3.35%	0.62%	1.10%	1.18%	-2.31%
Mixed Forest	-2.95%	-1.45%	-2.21%	-0.64%	-2.00%
Scrub/Shrub	-4.18%	-3.46%	-1.53%	-3.58%	-3.87%
Woody Wetland	-1.37%	-1.27%	-1.34%	-0.44%	-1.11%
Emergent Wetland	-1.48%	0.05%	-0.83%	-0.77%	-0.75%
Unconsolidated Shore	-26.07%	-18.92%	-13.93%	-1.99%	-18.83%
Barren Land	57.38%	45.30%	39.98%	9.45%	33.44%
Open Water	0.32%	0.13%	0.18%	0.05%	0.19%
Perennial Ice/Snow	N/A				

**Regional:**

<b>Northeast Regional Land Cover Change (sq. mi.), 2001-2005</b>							
	<b>State</b>						
<b>Land Cover Category</b>	<b>CT</b>	<b>MA</b>	<b>ME</b>	<b>NH</b>	<b>NY</b>	<b>RI</b>	<b>Regional Total</b>
High Intensity Developed	4.89%	4.09%	1.14%	3.18%	1.87%	2.98%	2.75%
Medium Intensity Developed	1.78%	0.73%	0.58%	0.95%	0.39%	0.21%	0.69%
Low Intensity Developed	-0.01%	-0.10%	0.07%	0.08%	0.02%	-0.17%	-0.01%
Developed Open Space	0.57%	0.91%	0.38%	1.37%	1.00%	0.69%	0.86%
Cultivated	0.46%	0.36%	0.21%	1.01%	0.05%	1.27%	0.14%
Grassland	6.09%	2.86%	50.99%	89.08%	2.04%	-3.46%	20.19%
Deciduous Forest	-0.38%	-0.28%	-1.89%	-1.53%	-0.07%	-0.32%	-0.57%
Evergreen Forest	-0.40%	-0.53%	-0.91%	-0.67%	-0.26%	-0.18%	-0.65%
Mixed Forest	-0.39%	-0.45%	-1.37%	-0.72%	-0.18%	-0.35%	-0.95%
Scrub/Shrub	-0.39%	0.93%	6.52%	13.21%	-0.46%	0.50%	4.01%
Woody Wetland	-0.20%	-0.28%	-0.29%	0.18%	-0.03%	-0.12%	-0.14%
Emergent Wetland	2.31%	1.29%	0.09%	-1.51%	1.57%	0.52%	0.80%
Unconsolidated Shore	2.68%	0.02%	-0.02%	-0.75%	2.89%	-0.25%	0.45%
Barren Land	9.42%	4.07%	-0.93%	3.79%	7.10%	-0.72%	2.85%
Open Water	-0.14%	-0.10%	-0.02%	-0.12%	-0.18%	-0.02%	-0.14%
Perennial Ice/Snow	N/A						

**Regional:**

Great Lakes Regional Land Cover Change (sq. mi.), 1996-2001						
Land Cover Category	State					Regional Total
	MI	MN	OH	PA	WI	
High Intensity Developed	5.41%	6.76%	5.33%	3.19%	8.02%	5.22%
Medium Intensity Developed	5.35%	5.68%	4.08%	2.71%	5.54%	4.61%
Low Intensity Developed	4.20%	4.72%	1.69%	1.41%	2.59%	2.85%
Developed Open Space	7.14%	5.20%	2.35%	1.58%	-0.81%	3.89%
Cultivated	-0.48%	0.06%	-0.14%	-0.05%	-0.34%	-0.29%
Grassland	-4.17%	-12.29%	-3.39%	11.44%	0.06%	-3.21%
Deciduous Forest	-0.36%	0.73%	-0.96%	-1.17%	0.82%	-0.23%
Evergreen Forest	-2.13%	-1.90%	0.16%	-0.60%	0.47%	-1.56%
Mixed Forest	-0.03%	-0.38%	0.49%	-0.50%	0.64%	-0.12%
Scrub/Shrub	7.14%	1.29%	0.32%	9.90%	-17.77%	2.04%
Woody Wetland	0.09%	0.26%	-0.42%	0.02%	0.03%	0.10%
Emergent Wetland	3.57%	-1.09%	-1.56%	0.52%	1.48%	1.39%
Unconsolidated Shore	6.10%	34.92%	10.64%	4.40%	16.36%	7.92%
Barren Land	22.25%	2.29%	-12.12%	12.59%	-6.77%	14.75%
Open Water	-0.18%	-0.20%	0.02%	-0.44%	-0.68%	-0.22%
Perennial Ice/Snow	N/A					

*Source: NOAA Coastal Services Center, Coastal Change Analysis Program (C-CAP)  
Coverage: 1996, 2001, and in some cases 2005 data available for contiguous United States  
excluding Alaska.*

*Last updated by OCRM: 2008 (for available C-CAP data)*