

# Table of Contents

|                         |   |
|-------------------------|---|
| Table of Contents.....  | i |
| Executive Summary ..... | 1 |
| Introduction .....      | 2 |



|   |            |
|---|------------|
| <b>Section A: Impact of Growth in the Coastal Zone .....</b>  | <b>A-1</b> |
| <i><b>Impacts of Population Growth</b></i>  |            |
| • Absolute population growth .....  | A-2        |
| • Population growth rate.....   | A-4        |
| • Population density .....  | A-6        |
| • Age of population.....  | A-8        |
| • Population growth within ten miles of the coast.....  | A-11       |
| • Population growth on barrier islands .....  | A-12       |
| • Seasonal residences .....   | A-13       |
| <i><b>Patterns of Development</b></i>   |            |
| • Urban/Rural population.....   | A-15       |
| • Change in major land cover categories.....  | A-18       |
| <i><b>Sufficiency of Infrastructure</b></i>   |            |
| • Residential building permit activity: New housing units and value reported building permits ..... | A-21       |
| • Total and per capita municipal solid waste generated.....   | A-24       |
| <i><b>Economic Impacts</b></i>  |            |
| • Per capita income.....  | A-31       |



|   |            |
|---|------------|
| <b>Section B: Disruption of Coastal Physical Processes .....</b>        | <b>B-1</b> |
| <i><b>Alteration of Existing Natural Systems</b></i>                    |            |
| • Miles of eroding coastline .....                                      | B-3        |
| • Undeveloped coastal barrier habitats ✓ .....                          | B-5        |
| • Miles of renourished beaches.....                                     | B-9        |
| • Volume of ocean dredged material disposed of off Florida's coast..... | B-11       |
| <i><b>Construction of Altering Structures</b></i>                       |            |
| • Number of permits for coastal armoring.....                           | B-13       |
| • Number of permitted artificial reefs .....                            | B-14       |



|   |            |
|---|------------|
| <b>Section C: Responding to Coastal Threats and Hazards .....</b> | <b>C-1</b> |
| <i><b>Coastal Hazard Mitigation</b></i>                           |            |
| • Change in storm evacuation clearance times .....                | C-2        |
| • Insured value of property in coastal hazard areas.....          | C-5        |
| <i><b>Incompatible Living Areas</b></i>                           |            |
| • Number of residents with hurricane experience .....             | C-8        |
| • Population at risk to hurricane-induced flooding.....           | C-11       |
| <i><b>Industrial Impacts</b></i>                                  |            |
| • Reported oil/hazardous material spills.....                     | C-14       |
| • Population in proximity to nuclear power plants .....           | C-16       |

✓ Denotes indicators which are new for **FACT 1997**.



**Section D: Degradation and Restoration of Coastal Ecosystems .....D-1**

**Habitat Change**

- Change in strategic habitat conservation areas .....D-2
- Change in existing wetland habitat and conservation lands .....D-5
- Change in existing upland habitat and conservation lands .....D-7
- Change in coral reef community dynamics.....D-9
- Change in acreage of invasive non-indigenous (exotic) aquatic plants.....D-13
- Change in acreage of invasive non-indigenous (exotic) upland plants .....D-16

**Species Population Trends**

- Documented marine mammal strandings .....D-18
- Estimated manatee population and documented deaths .....D-20
- Sea turtle nesting activity.....D-25
- Southern bald eagle population.....D-29
- Reddish egret population.....D-32
- Number of wood stork nests.....D-34
- Number of eastern brown pelican nests.....D-36

**Water Quality Trends**

- Acreage of seagrass.....D-38
- Number of beach closings and advisories.....D-44
- Acreage of shellfishing waters by classification.....D-47
- Onsite sewage treatment and disposal systems installed .....D-50



**Section E: Managing Fresh Water Allocation ..... E-1**

**Fresh Water Allocated for Ecological Maintenance**

- Total fresh water withdrawals ..... E-2
- Discharge of treated domestic and industrial wastewater ..... E-4
- Reuse of reclaimed water ..... E-6

**Fresh Water Allocated to Meet Residential Needs**

- Public supply water withdrawals ..... E-8
- Domestic self-supplied water withdrawals..... E-10
- Per capita water supply withdrawals..... E-12
- Number of potable water treatment facilities ..... E-14

**Fresh Water Allocated to Meet Commercial-Industrial Needs**

- Commercial-industrial water withdrawals ..... E-15
- Thermoelectric power generation water withdrawals ..... E-17

**Fresh Water Allocated to Meet Agricultural Needs**

- Agricultural water withdrawals ..... E-19



**Section F: Sustaining the Human Uses of the Coast ..... F-1**

**Maintenance of Recreational Value**

- Coastal recreation activity by residents ✓ ..... F-2
- Coastal recreation activity by tourists ✓ ..... F-4
- Recreational saltwater fishing trips ✓ ..... F-7
- Registered recreational vessels ..... F-10
- Number of marina boat slips ..... F-14
- Number of boat launches ..... F-16

✓ Denotes indicators which are new for **FACT 1997**.

**Sustainable Economic Use**

- Public access areas along sandy beaches ✓ ..... F-18
- Revenue generated by the tourist development tax ..... F-20
- Cargo handled at seaports ..... F-22
- Number of cruise boat passengers ..... F-26
- Registered commercial vessels..... F-28
- Value of foreign trade through seaports ..... F-32
- Saltwater fish landings ✓ ..... F-34
- Catch per angler day on headboats ✓ ..... F-38
- Value of commercial marine fisheries landings..... F-40

**Balancing Development with Coastal Resources**

No indicators have been developed for this sub-issue (See Section J)



**Section G: Balancing Public and Private Uses of Resources ..... G-1**

**Private Property Issues**

No indicators have been developed for this sub-issue

**Stewardship of Coastal Resources**

- Submerged land leases..... G-2
- Management status of coastal habitat..... G-5



**Section H: Preservation of Cultural and Aesthetic Resources ..... H-1**

**Preservation of Resources**

- Number of archaeological sites discovered annually ..... H-2
- Number of sites listed in the national register of historic places..... H-4
- Museums and cultural/historical events..... H-6
- Amount of grant money awarded for restoration of historic properties..... H-8

**Conservation of Coastal Open Space**

No indicators have been developed for this sub-issue (See Section J)



**Section I: Encouraging Public Awareness and Involvement ..... I-1**

**Public Awareness**

- Public support for purchase of coastal lands..... I-2
- Public concern for beach access..... I-4
- Public preparedness for hurricanes..... I-6
- Public concern for seafood safety ..... I-9

**Public Participation**

- Public participation in coastal policy ..... I-11
- Membership in coastal advocacy groups ..... I-13
- Beach visits by residents ..... I-15
- Participation in the Florida coastal cleanup ..... I-17

**Section J: Indicators No Longer Included in FACT ..... J-1**

✓ Denotes indicators which are new for **FACT 1997**.