Charlotte Harbor
NEP Projects

Lisa B. Beever, PhD, AICP
September 28, 2009
Estero Bay Watershed Public Symposium
National Estuary Programs
Management Conference

Policy Committee
Elected Officials and Agency Policy Makers

Management Committee
Resource Managers

Technical Adv. Committee
Scientists, Engineers, and Planners

Citizens Adv. Committee
Citizens and agency Public Outreach Specialists
Completed Projects since 6/25/2007

- CCMP Update
- Estero Bay Subbasins
- Historic Benthic Resources
- Seagrass mapping and targets
- Benthic Macro-Invertebrates
- Shoreline Survey
- Historic Basin Mapping
- Southwest Florida Feasibility Study
- Impaired Waters Update
- CHEC Water Quality Website
- Water Quality Status and Trends
- Hendry Creek OSTDS Study
- Growth Mgmt Reg, Pub Invest, Res Imp for Est Bay 06-07
- Public Outreach
Priority Problems

- Hydrologic Alterations (Water Flows)
- Water Quality Degradation
- Fish and Wildlife Habitat Loss
- Stewardship Gaps
<table>
<thead>
<tr>
<th>Harbor Segment</th>
<th>Baseline, adjusted (B)</th>
<th>Mean Annual Extent all years (A)</th>
<th>Protection Target</th>
<th>Restoration Target</th>
<th>Total Target</th>
<th>Target Range</th>
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<tbody>
<tr>
<td>Dona and Roberts Bay</td>
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<td>21</td>
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<td>Upper Lemon Bay</td>
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<td>Tidal Myakka River</td>
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<td>Tidal Peace River</td>
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<td>West Wall</td>
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<td>Cape Haze</td>
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<td><strong>TOTAL</strong></td>
<td><strong>59,776</strong></td>
<td><strong>62,103</strong></td>
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<td><strong>3,954</strong></td>
<td><strong>66,057</strong></td>
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Legend

Benthic Macro-invertebrate Abundance
Individuals per Square Meter

- Blue: 0 - 10,000
- Green: 10,001 - 25,000
- Medium Green: 25,001 - 50,000
- Light Green: 50,001 - 300,000
- Red: 670,918

Source: Charlotte Harbor National Estuary Program
Mote Marine Laboratory
Date: September 17, 2009
Source: Charlotte Harbor National Estuary Program
South Florida Water Management District.
Date: September 17, 2009
Total Nitrogen, mg/l

< 0.1  0.5  1.0  1.5  2.0  > 2.7

TN - September 2007
Total Nitrogen, mg/l

< 0.1  0.5  1.0  1.5  2.0  > 2.7

TN- September 2006
Total Nitrogen, mg/l

< 0.1  0.5  1.0  1.5  2.0  > 2.7

TN - September 2005
Hendry Creek Basin Onsite Treatment & Disposal Systems
Implementing a Voluntary Homeowner Management Program

Charlotte Harbor National Estuary Program
Technical Report 07-2
October 9, 2007
7 of 64 homeowners participated, June-August 2007
There were 18 projects (5%) that had a total loss of 580.06 acres of wetland losses with no mitigation required.

http://www.swfrpc.org/content/Publications/NEP/Growth_Mgmt_Reg_EB06_07.pdf
Estero Projects under “Construction”

- Pollutant Loading (w/ and w/out BMPs)
- Restoration Tracking
- Water Quality Status and Trends to 2008
- Shoreline Conditions Update
- FDEP Data Quality Assurance (CHEVWQMN, etc.)
- Watershed Report (State of the Estuary)
- Climate Ready Estuaries
Charlotte Harbor
National Estuary Program

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Deputy Director: Liz Donley, esq.
Program Scientist: Judy Ott, MS
Communications Manager: Maran Hilgendorf

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