

## ANACOSTIA RESTORATION INDICATORS AND TARGETS

Formally adopted December 3, 2001 by the Anacostia restoration program partners

*(Note: 16 Leading Indicators are shaded)*

<b>Goal #1 – Dramatically reduce pollutant loads</b>	
<b>Indicator</b>	<b>2010 target</b>
Note: For Goal 1 Indicators (except 1g, 1h and 1i), final 2010 targets will be determined by a combination of the Chesapeake Bay Program, TMDLs and revised criteria. These requirements are expected to replace the current voluntary targets listed below.	
1a – Total Suspended Solids	Current interim voluntary 2010 target is to reduce annual average concentration to less than 80 mg/l, with a goal of supporting underwater grasses.
1b – Combined Sewer Overflows	Long-term Control Plan will determine ultimate target. Current target is to initiate long-term CSO system improvements before 2010 with an ultimate capture of 95% of the overflows.
1c – Total Phosphorus and Total Nitrogen	Current voluntary target is to achieve the 40% Chesapeake Bay reduction goal.
1d – Fecal Coliform Concentration and Bacterial Contamination	Current voluntary 2010 target is to achieve 85% reduction for tidal river and tributary compliance with water quality standards 75% of the time.
1e – Dissolved Oxygen	Current interim voluntary 2010 target is to maintain DO levels above 2 mg/l at all times. No fish kills.
1f – Biochemical Oxygen Demand	Current voluntary 2010 target is to achieve a 75% reduction.
1g – Secchi Depth	Greater than 1.0 meter average.
1h – Trash Index and Quantity of Trash Removed	Watershed trash levels in the “light” range. Decreasing trend levels in annual tonnages removed.
1i – Toxics and Metals	Elimination of all fish consumption advisories.
1j – Chlorophyll ‘a’	Current voluntary 2010 target is to attain Mesotrophic levels.

<b>Goal #2 – Protect and restore ecological integrity</b>	
<b>Indicator</b>	<b>2010 target</b>
2a – Temperature	Meet water quality standards 100% of the time.
2b – Turbidity	Less than 50 NTU average.
2c – Fish Deformities, Erosions, Lesions and Tumors (DELTs)	DELTs found on less than 3% of the fish community.
2d – pH	Meet water quality standards 100% of the time.
2e – Macroinvertebrate Community Health	Better than “fair” for all subwatersheds. Decrease in percent dominant taxon for tidal river.

2f – Resident Fish Community Health	Increasing numerical IBI scores throughout watershed.
2g – Stream Miles Restored	Twenty additional miles.
2h – Submerged Aquatic Vegetation	Twenty acres total.
2i – Percent Impervious Surface in the Watershed	Increase in watershed acreage featuring Low Impact Development (LID) techniques.
2j – Percent of Developed Land with Stormwater Management Controls	Approximately double the amount of older watershed areas controlled.
2k – Recreational Usage	Increase in multiple categories.

<b>Goal #3 – Increase natural range of fish</b>	
<b>Indicator</b>	<b>2010 target</b>
3a – Percent Anadromous Fish Range Open	Twenty additional stream miles.
3b – Percent Anadromous Fish Habitat Utilization	100% utilization of available habitat.
3c – Percent Tributary Mainstems and Major Feeder Streams Open to Resident Fishes	100% of all mainstem areas. 100% of all 'priority' tributaries.

<b>Goal #4 – Increase wetland acreage</b>	
<b>Indicator</b>	<b>2010 target</b>
4a – Created/Restored Tidal Wetland Acreage	Sixty additional acres of emergent wetland.
4b – Created/Restored Non-Tidal Wetlands	Twenty new projects. Approximately fifteen additional acres.
4c – Wildlife Utilization of Wetlands	Develop Anacostia-specific IBI by end of 2002.

<b>Goal #5 – Protect and expand forest cover</b>	
<b>Indicator</b>	<b>2010 target</b>
5a – Miles of Created Riparian Forest Buffer	Twelve additional miles. Approximately forty-five additional acres.
5b – Percent Adequate Riparian Forest Buffer	Develop watershed-wide buffer criteria by 2002.
5c – Acres of Mature Hardwood Forest	Develop watershed forest management protection strategy by 2002.
5d – Acres of Created Upland Forest	Prepare inventory by 2002. Develop watershed forest management protection strategy by 2002.
5e – Upland, Riparian and Total Forest Acreage as Percent of Watershed Area	Address under targets for 5a through 5d.

<b>Goal #6 Increase Public Usage, Stewardship and Advocacy</b>	
<b>Indicator</b>	<b>2010 target</b>
<b>6-1 – Usage Indicators</b>	<b>Usage Targets</b>
6-1a – Number of Anglers	Watershed wide increase.

6-1b – Number of Fishing Piers and Usage	Construct three new piers.
6-1c – DC Anacostia Hiker-Biker Trail and Usage	Complete linkage with Maryland system.
6-1d – Colmar Manor to Bladensburg Footbridge	Construct footbridge.
6-1e – Number of Public Boat Ramps	Four additional small boat ramps.
6-1f – Number of Boathouses	Four additional boathouses.
6-1g – Number of Annual Regattas	Three additional per year.
6-1h – Annual Park Visitation	Increase throughout.
<b>6-2 – Stewardship Indicators</b>	<b>Stewardship Targets</b>
6-2a – School Activities	Increase in all watersheds emphasizing meaningful local stream, river or Bay experiences.
6-2b – Anacostia River Business Coalition Membership	Expand into Montgomery and Prince George’s Counties.
6-2c – AWRC-University Partnerships	Expand opportunities in all jurisdictions.
6-2d – Anacostia School Web Linkages	Link all public schools. Create ‘partner’ school program.
6-2e – Stewardship Events	Increase throughout watershed.
6-2f – Revitalization Expenditures	Increase throughout watershed.
<b>6-3 - Advocacy Indicators</b>	<b>Advocacy Targets</b>
6-3a – Active “Friends of” Groups	Establish active advocacy group in every major subwatershed.
6-3b – Media Coverage	Increase overall coverage and promote greater public awareness and a more positive image.
6-3c – Herring Festival	Establish as an annual event.
6-3d – Government by Example	Expand current efforts.
6-3e – Restoration Expenditures	Increase in all three jurisdictions.