

# Framework Measurement Tables

ENVIRONMENTAL BENEFITS	SPECIFIC BENEFIT	DATA POINT	MEASUREMENT METHOD/ DATA SOURCE
<b>WATER</b>	<b>Reduced flooding</b>	<ul style="list-style-type: none"> <li>Gallons per year per GI feature</li> </ul>	<ul style="list-style-type: none"> <li>Rational Method</li> </ul>
	<b>Enhanced water quality</b>	<ul style="list-style-type: none"> <li>Soil infiltration rate (in./hr)</li> <li>Frequency of combined sewer overflows</li> </ul>	<ul style="list-style-type: none"> <li>Net change in infiltration rate pre- to post-construction</li> <li>Field observations upstream and downstream pre- and post-construction (riparian restoration)</li> </ul>
<b>HABITAT</b>	<b>Expanded and restored habitat</b>	<ul style="list-style-type: none"> <li>Acreage added</li> <li>Acreage restored</li> <li>Cubic yards of pollution remediated</li> <li>Reduction in soil erosion</li> <li>Overall value to biodiversity</li> </ul>	<ul style="list-style-type: none"> <li>Area measurement</li> <li>Analysis based on records</li> <li>Calculation</li> <li>i-Tree wildlife calculation</li> </ul>
	<b>Enhanced flora and fauna</b>	<ul style="list-style-type: none"> <li>Increased number of                             <ul style="list-style-type: none"> <li>tree and plant species</li> <li>different tree and plant species</li> <li>different animal species</li> <li>animals within a given species</li> </ul> </li> <li>Percent change in acreage of invasive plant species</li> </ul>	<ul style="list-style-type: none"> <li>Citizen Science BioBlitzes</li> </ul>
<b>AIR</b>	<b>Decreased air temperatures</b>	<ul style="list-style-type: none"> <li>Decreased localized temperatures</li> <li>Increased shade and/or ground cover</li> </ul>	<ul style="list-style-type: none"> <li>Temperature analysis</li> <li>Transect surveys and GIS analysis (whether increased shade or increased ground cover)</li> </ul>
	<b>Enhanced air quality</b>	<ul style="list-style-type: none"> <li>Reduced pollutants (lbs/sq ft)</li> <li>Increased carbon sequestration</li> </ul>	<ul style="list-style-type: none"> <li>i-Tree</li> <li>National tree benefit calculator</li> </ul>

HEALTH BENEFITS	SPECIFIC BENEFIT	DATA POINT	MEASUREMENT METHOD/ DATA SOURCE
<b>PHYSICAL HEALTH</b>	<b>Enhanced access to physical activity</b>	Linear feet of new trails added and/or other project additions	Agency/organization records
		Project contribution to access	Community Survey Tool (CST)
	<b>Increases in physical activity</b>	Intensity of activity	Accelerometers
		<b>Community use of GI feature</b>	
	<b>Enhanced health outcomes over time</b>	Illness and other related health data	Hospital records
<b>MENTAL HEALTH</b>	<b>Reductions in stress/anxiety</b>	Self-reported mental health improvements	CST/tested survey instruments (e.g. RAND Park Use survey)

SOCIAL BENEFITS	SPECIFIC BENEFIT	DATA POINT	MEASUREMENT METHOD/ DATA SOURCE
<b>SOCIAL COHESION</b>	<b>Enhanced community engagement</b>	Project's effectiveness in enhancing engagement (%)	Center for Active Design's ACES survey
	<b>Enhanced community socialization</b>	Project's effectiveness in enhancing socialization (%)	CST
	<b>Enhanced recreation participation</b>	Increase in recreation activity participation (%)	SOPARC
<b>PUBLIC SAFETY</b>	<b>Reductions in violent and nonviolent crime</b>	Change in violent and nonviolent crime (%)	Analysis of localized crime data
<b>COMMUNITY ACTIVATION</b>	<b>Community knowledge of GI</b>	Increase in GI knowledge (%)	CST
	<b>Community use of GI on properties</b>	Increase in use (%)	
	<b>Underserved community members impacted</b> (ability level, age, race/ethnicity)	Number impacted	2010 Census data (measuring access to GI feature) Agency records (measuring actual use)
	<b>Community members involved in project planning</b>	Number involved	Agency records
	<b>Effectiveness of community involvement around project</b>	Effective (%)	CST
	<b>Community satisfaction with project</b>	Satisfied (%)	

<b>ECONOMIC BENEFITS</b>	<b>SPECIFIC BENEFIT</b>	<b>DATA POINT</b>	<b>MEASUREMENT METHOD/ DATA SOURCE</b>
<b>WORKFORCE DEVELOPMENT</b>	<b>Job creation</b>	Number of short-term and long-term jobs created directly by project	Agency/organization records
	<b>Job skills gained</b>	List of topics covered during project trainings	
	<b>Training of community members</b>	Number of trainings attended	
	<b>Volunteer participation</b>	Number of volunteer hours	
	<b>Direct investment into community</b>	Money spent in community (e.g. construction supplies)	
<b>ECONOMIC DEVELOPMENT</b>	<b>Increased property values</b>	Property tax increases (%)	Local government records, interviews with local shop owners
	<b>Spurred economic development</b>	Sales increases in local shops	