



Georgia's
State Water Plan

Management Practices and Identification of
Current and Future Water Resource Needs

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Management Practices

Purpose of Today's Discussion

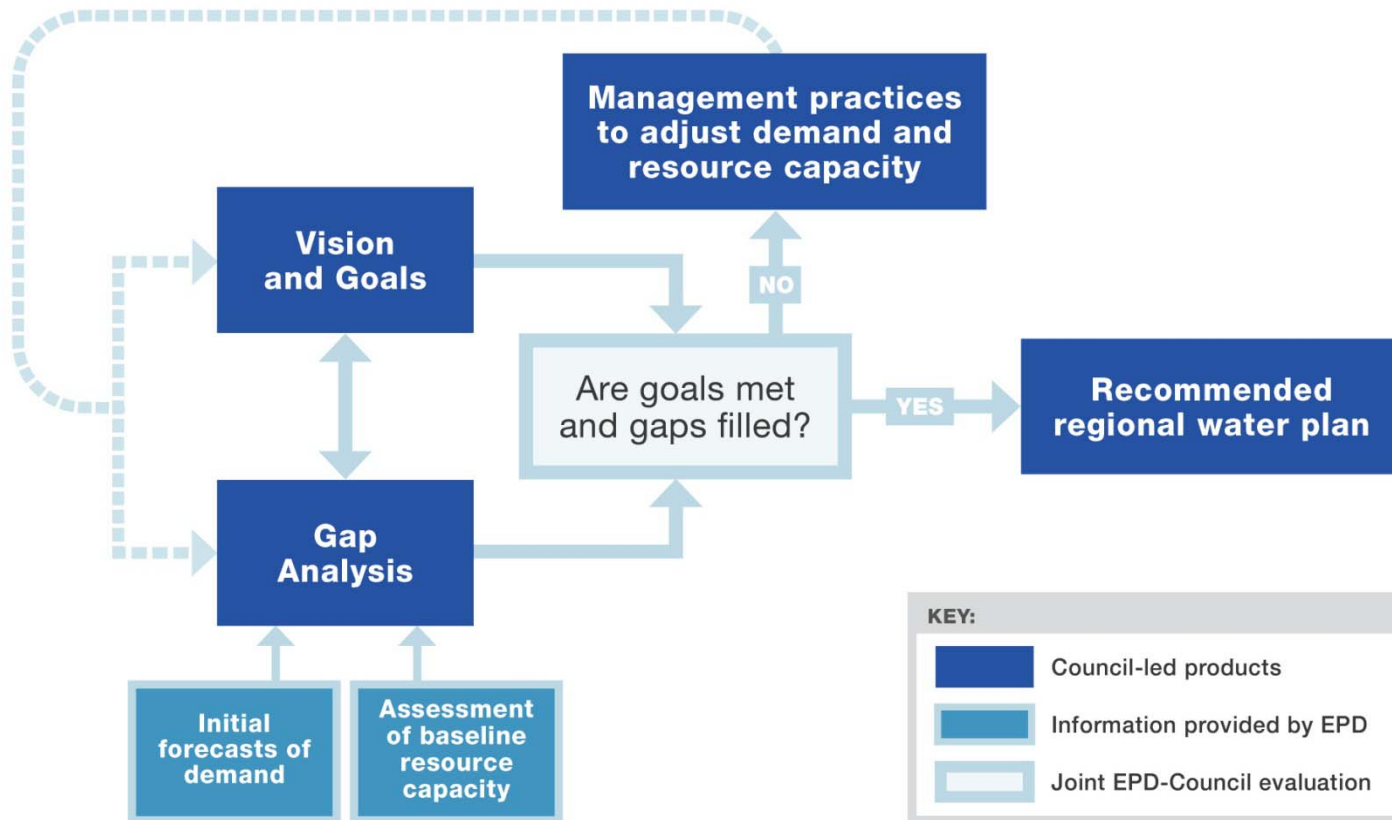
- To help prepare the Council for upcoming work on management practices; the initial effort to begin selection of management practices is scheduled to occur at Council Meeting 5 and future meetings
- To further our understanding of water management practices in the context of the State Water Plan

Management Practices

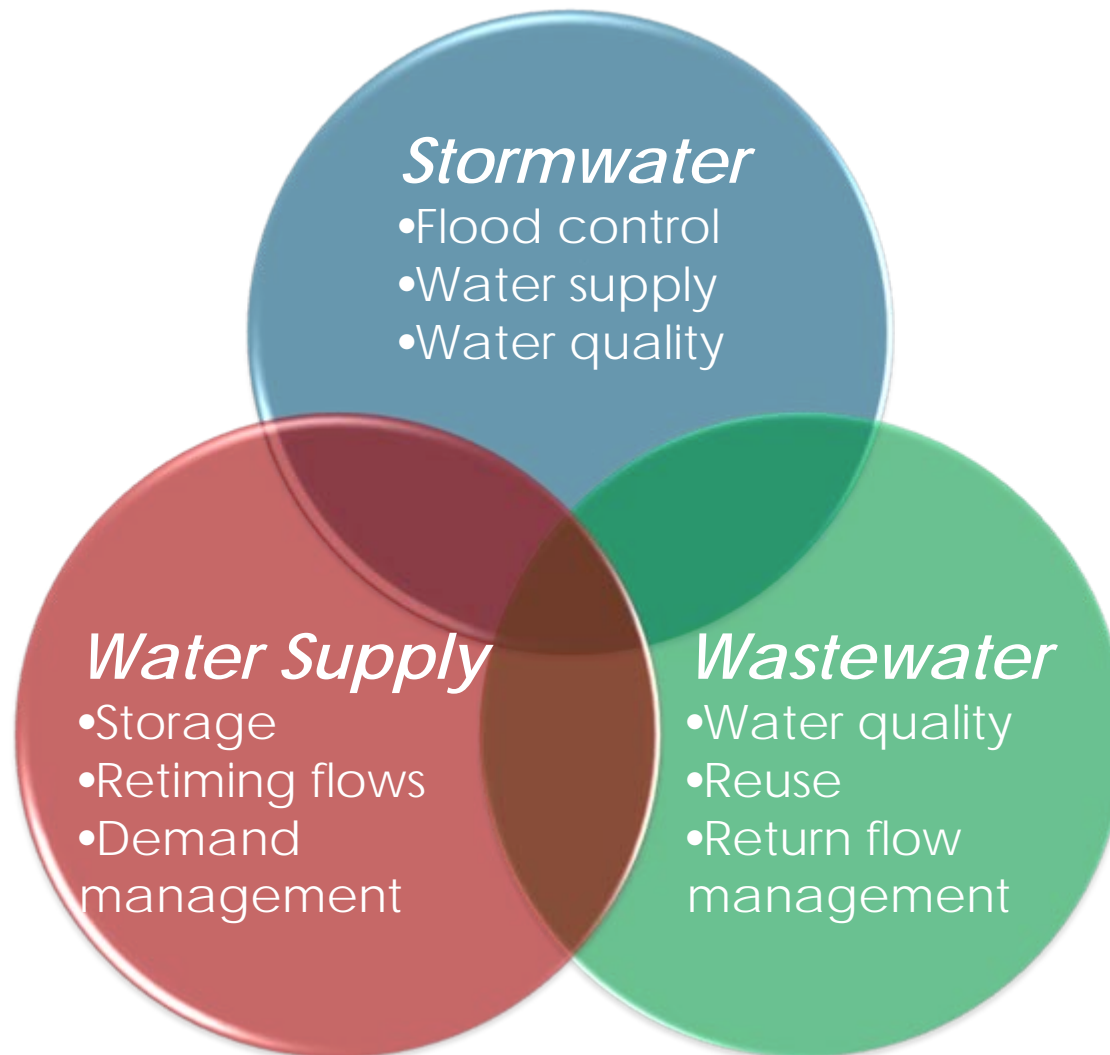
Definition

- Any program or activity that:
 - Helps meet the regional vision and goals
 - Can be employed to ensure that there is sufficient water (surface and groundwater quantity) and assimilative capacity (surface water quality) to sustainably meet future needs
 - Management practices can increase resource capacity and/or adjusts forecasted demands (i.e., water efficiency measures)

Management Practices



Management Practices Should Address Multiple Regional Needs



Management Practices

Water Supply Examples

- Conservation
- Storage Reservoir
- Desalination
- Interconnection of supply systems
- Additional groundwater development
- Reuse
- Return flow management
- Intrabasin transfers
- Interbasin transfers
- Aquifer storage and recovery

Note: For illustrative purposes only, not a complete list.



Management Practices

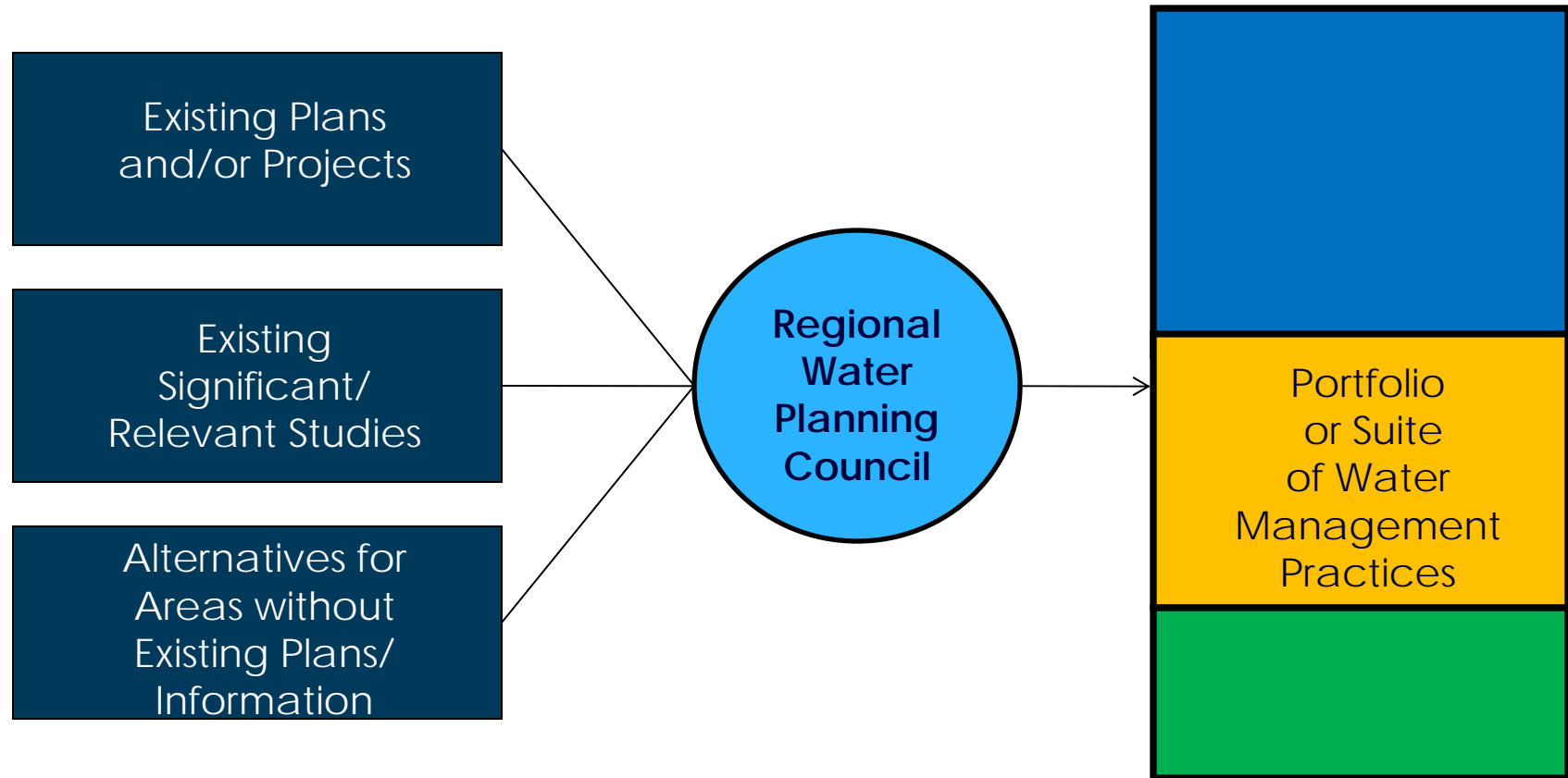
Water Quality Examples

- Can address both point source and non-point source pollution
- Improved Compliance Wastewater Treatment Facilities
- Advanced Treatment Technologies
- Watershed Protection and Monitoring
- River Corridor Buffers
- Manage impervious surfaces and green infrastructure planning
- Septic Tank Maintenance
- Erosion and Sedimentation Control

Note: For illustrative purposes only, not a complete list.



Identification/Selection of Management Practices



The Role of the Regional Water Planning Council:

- Planning for the Region
- Coordinating with Local Governments and Utilities

Water Management Practices may be Developed at Different Levels of Detail

Conceptual Suite or Portfolio	Suite or Portfolio with Target Implementation Levels	Watershed or Project Specific
Conservation	25% Conservation/ demand reduction	Low flow fixture rebate program and rate structure change
New Storage	50% New Storage	25K AF Reservoir in X Watershed
Reuse	25% Reuse	100MGD Treatment Plant 25MGD reuse

Nature and Extent of Gap May Drive Specificity of Management Practices

Management Practices

Management Practices Next Steps

- Based on regional vision and goals; alternatives to address current and future needs within available resource
 - Resource Assessment Models – Available *January 2010*
- Initial discussion, selection, and refinement – *Council Meetings 5, 6, and 7*
- Based on resource model evaluation are gaps closed/future needs met? Are regional goals met?
- Finalize selection by *December 2010*