

US EPA ARCHIVE DOCUMENT

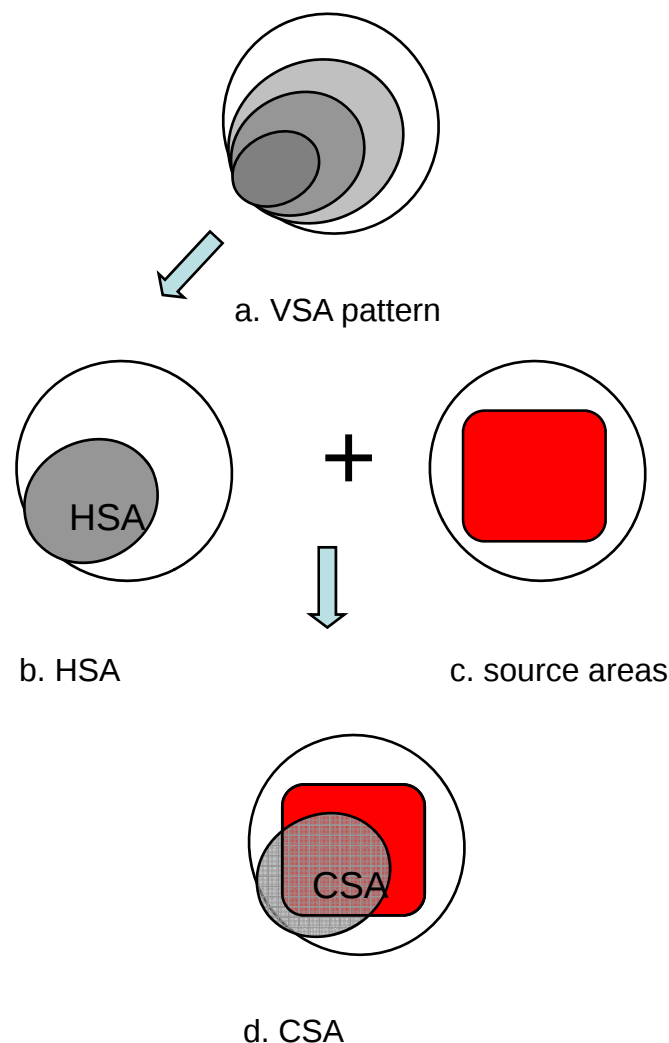
Protection of Critical Source Areas for Achieving Long-term Sustainability of Water Resources in Rockaway Creek Watershed

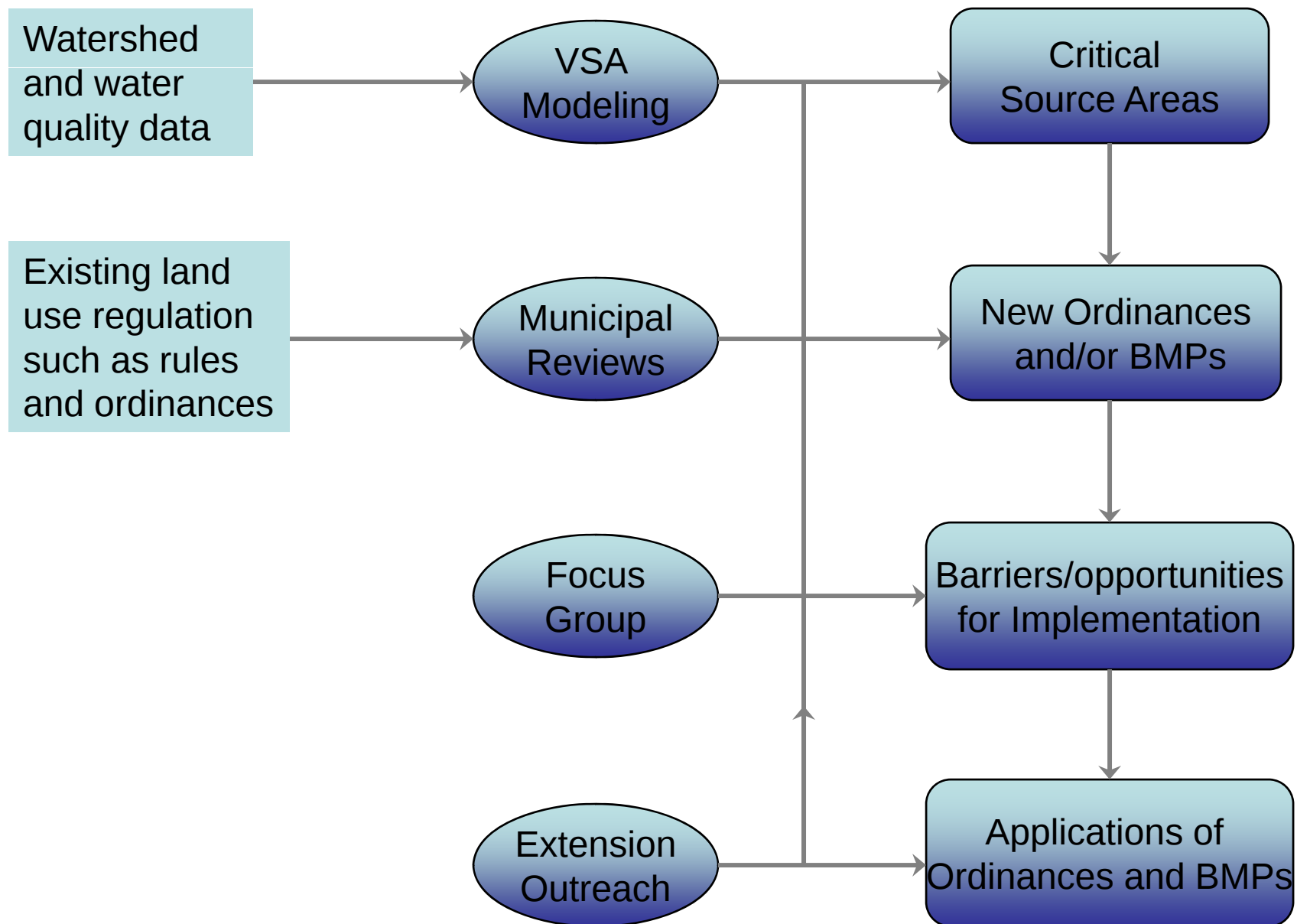
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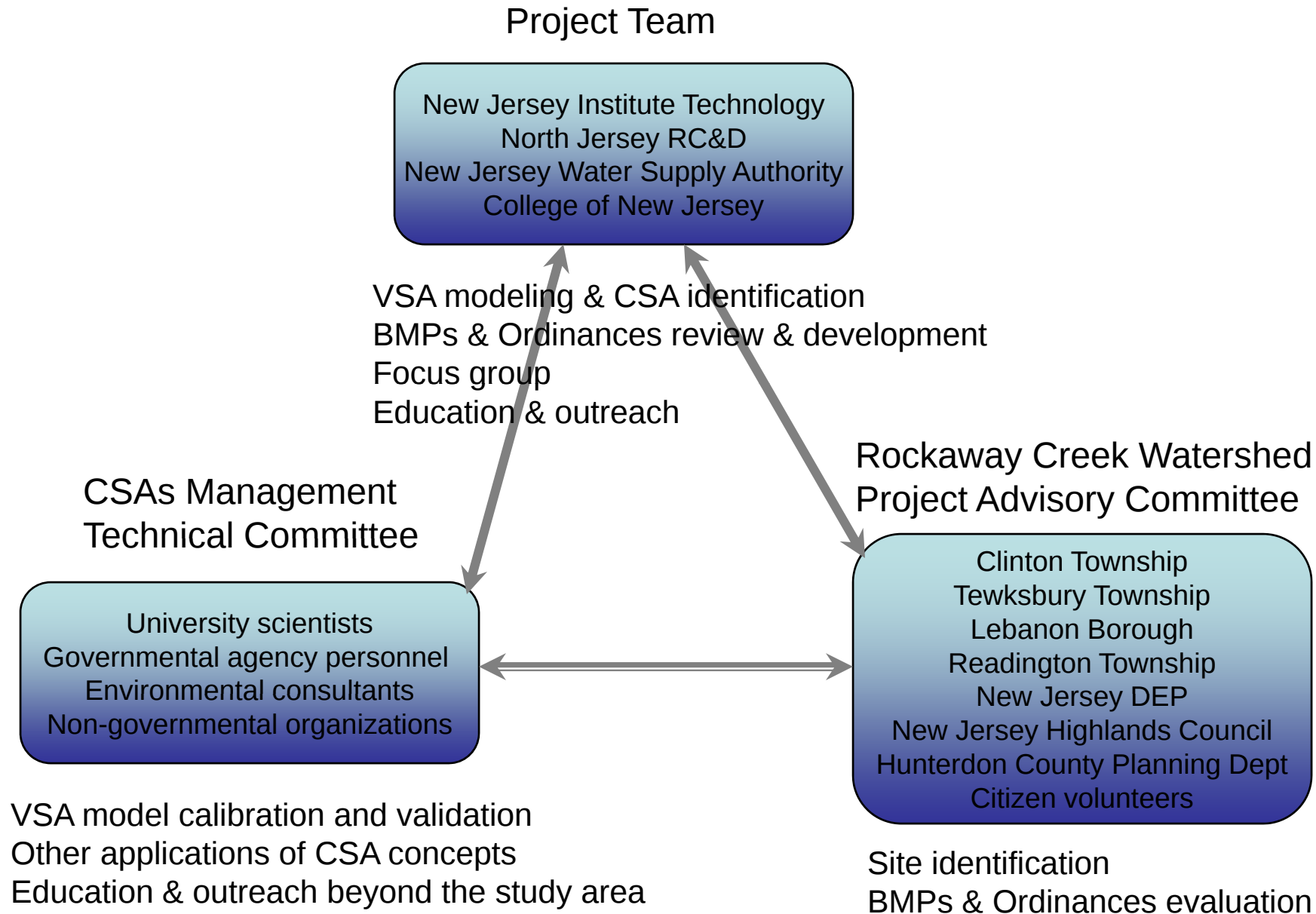
April 22, 2008

Support Long-term Sustainability of Water Resources by Properly Managing Land Uses

- Promote a set of new concepts such as variable source areas (VSAs), hydrologically sensitive areas (HSAs), critical source areas (CSAs) for land use planning and management
- Develop a set of tools to identify VSAs, HSAs and CSAs for municipal uses in their land use planning and management
- Develop a set of land use-based model ordinances and best management practices (BMPs) to protect CSAs
- Evaluate the technical, social, economic and institutional barriers to implement those ordinances and BMPs







Surprising Findings or Lessons

- Overwhelming interests in the concept and ideas of managing CSAs for improving water quality
- Strong demands on VSA model validation and calibration
- Complexity of land use planning and management at the municipal level
- Potential for other applications of CSA concept

- Questions
 - What are the expected outputs and/outcome from EPA perspective?
- Contacts
 - EPA experiences on developing land use-based model ordinances
 - USDA ERS group on water quality and land use management led by Dr. Marc Ribaudó
 - Any other EPA contacts who may be interested in the project methodology and results.