

2009 Wise County Wastewater Study

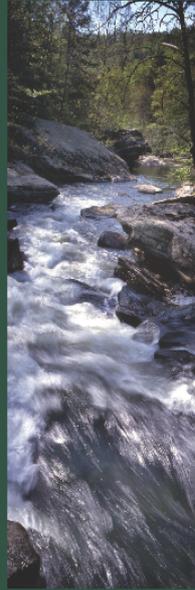
An Amendment to

The Southwest Virginia Regional Wastewater Study

Prepared for
Wise County Public Service Authority

Funding provided by
LENOWISCO Planning District Commission
Wise County Board of Supervisors

Prepared by
Maxim Engineering, in association with
Thompson & Litton
The Lane Group



The Southwest Virginia Regional Wastewater Study

The Clear Choice

Prepared for the

LENOWISCO Planning District Commission
Cumberland Plateau Planning District Commission
Mount Rogers Planning District Commission

Prepared by

Thompson & Litton, Inc.
Lane Engineering, Inc.
Maxim Engineering, Inc.

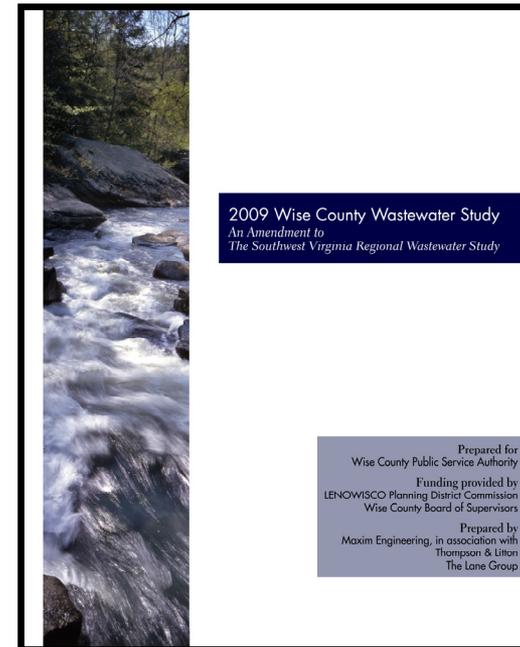
October 2005



THOMPSON & LITTON
50 years of integrity, insight and innovation.

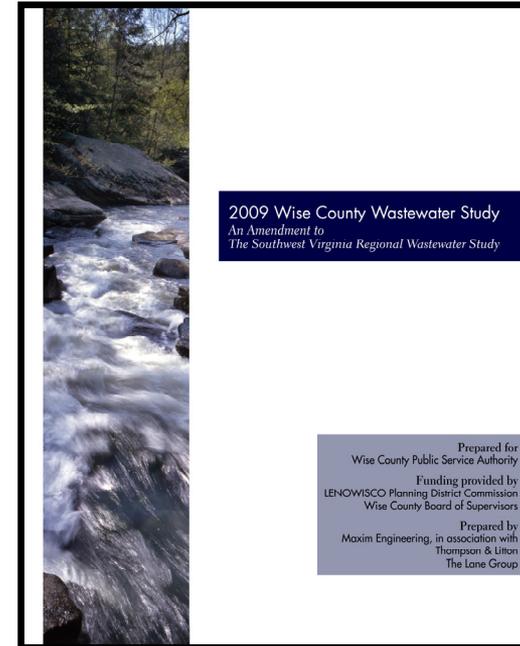


- Assess existing treatment and collection facilities
- Evaluate management alternatives
- Detailed development of project costs from 2005 study



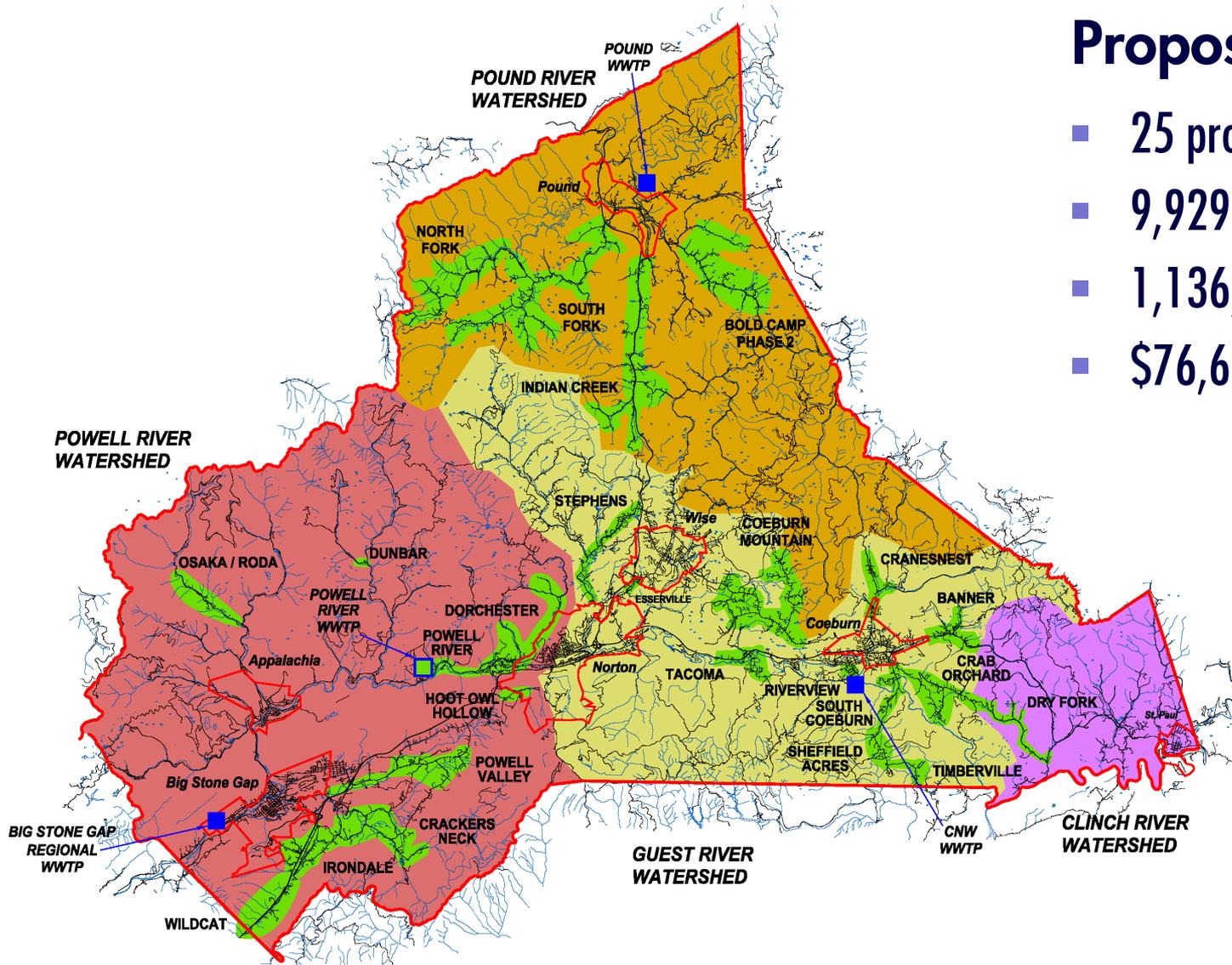
Wise County Opportunity

- Critical point for wastewater system development
- Wastewater facilities are expensive
- A new approach/way of thinking is needed
- Intra-county cooperation is required



Proposed Projects

- 25 projects
- 9,929 residents served
- 1,136,500 gallons per day
- \$76,600,000 project cost



Collection Systems & Treatment Analysis

Collection Systems

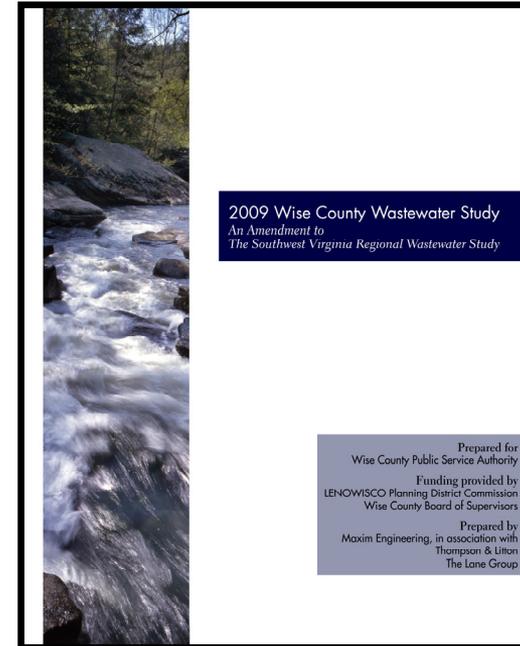
- New service area
- Existing interceptors
 - I&I
 - Repair and replacement
- Conclusion

Treatment Analysis

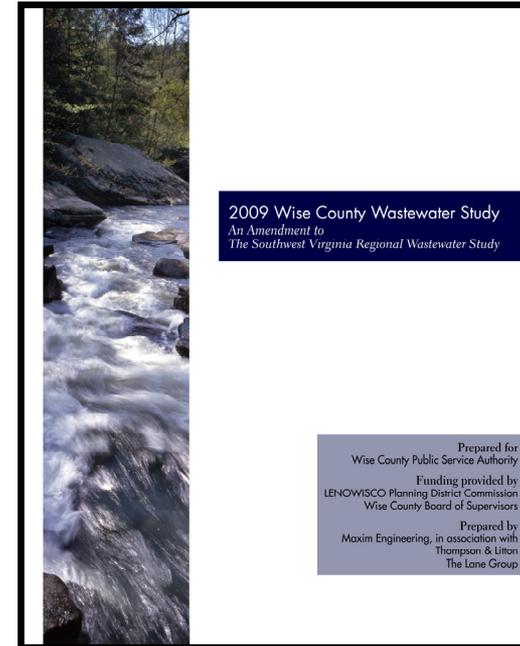
- Existing WWTP capacities
- Projected flows
- Conclusion

Management Alternatives

- Current ownership
- Watershed authorities
- Hybrid alternatives
- Regional cooperation
 - Intermunicipal agreements old & new

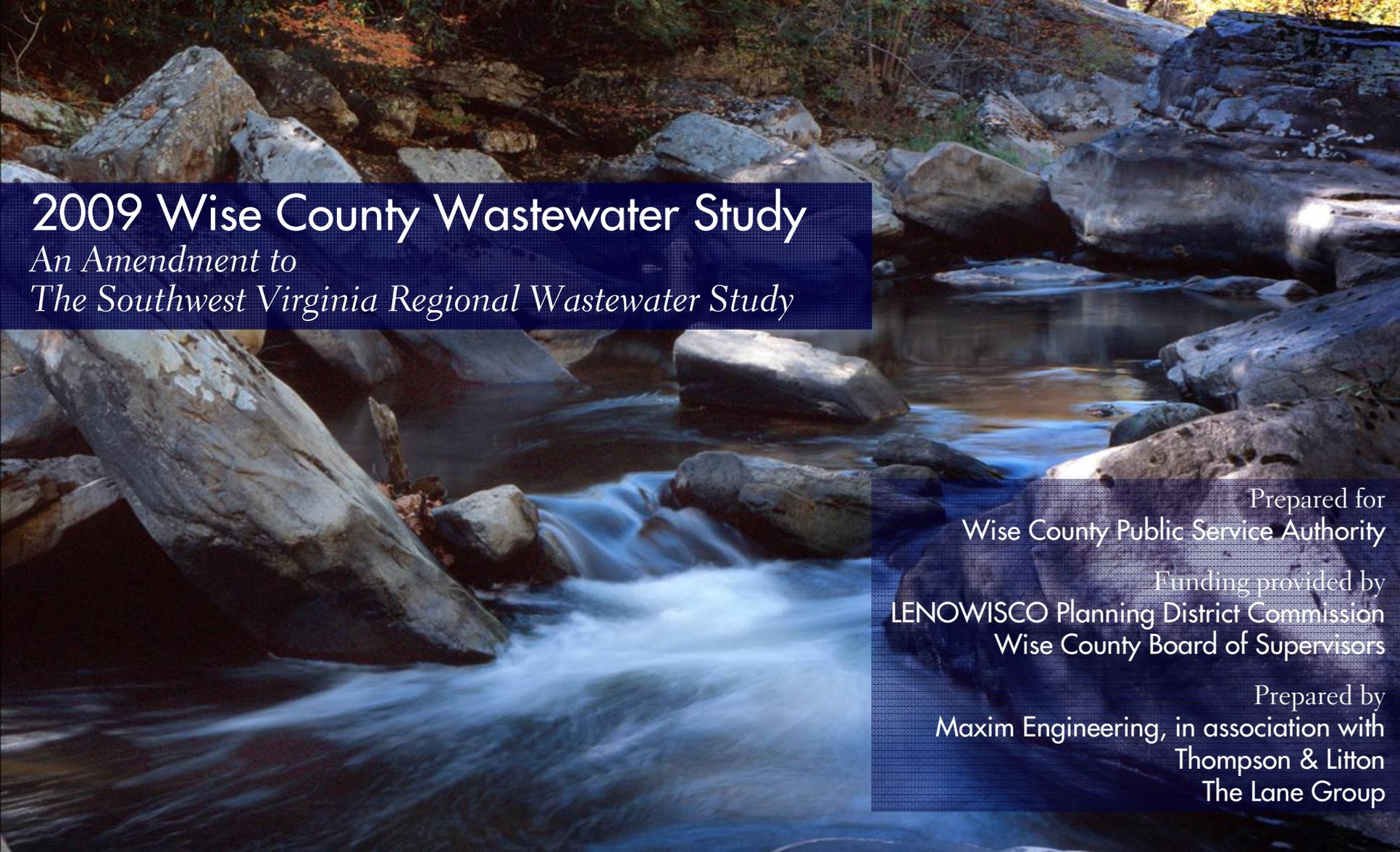


- Regional cooperation
- Management approach
- Phased approach
 - Targeted systems
 - Driven by need/funding opportunities
- I&I abatement
- Project funding



A scenic view of a river flowing through a rocky landscape. The water is clear and blue, cascading over large, grey rocks. The surrounding area is lush with green and brown foliage, suggesting a forested area. The overall atmosphere is serene and natural.

Q & A



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