Science for the Watershed Planning Process

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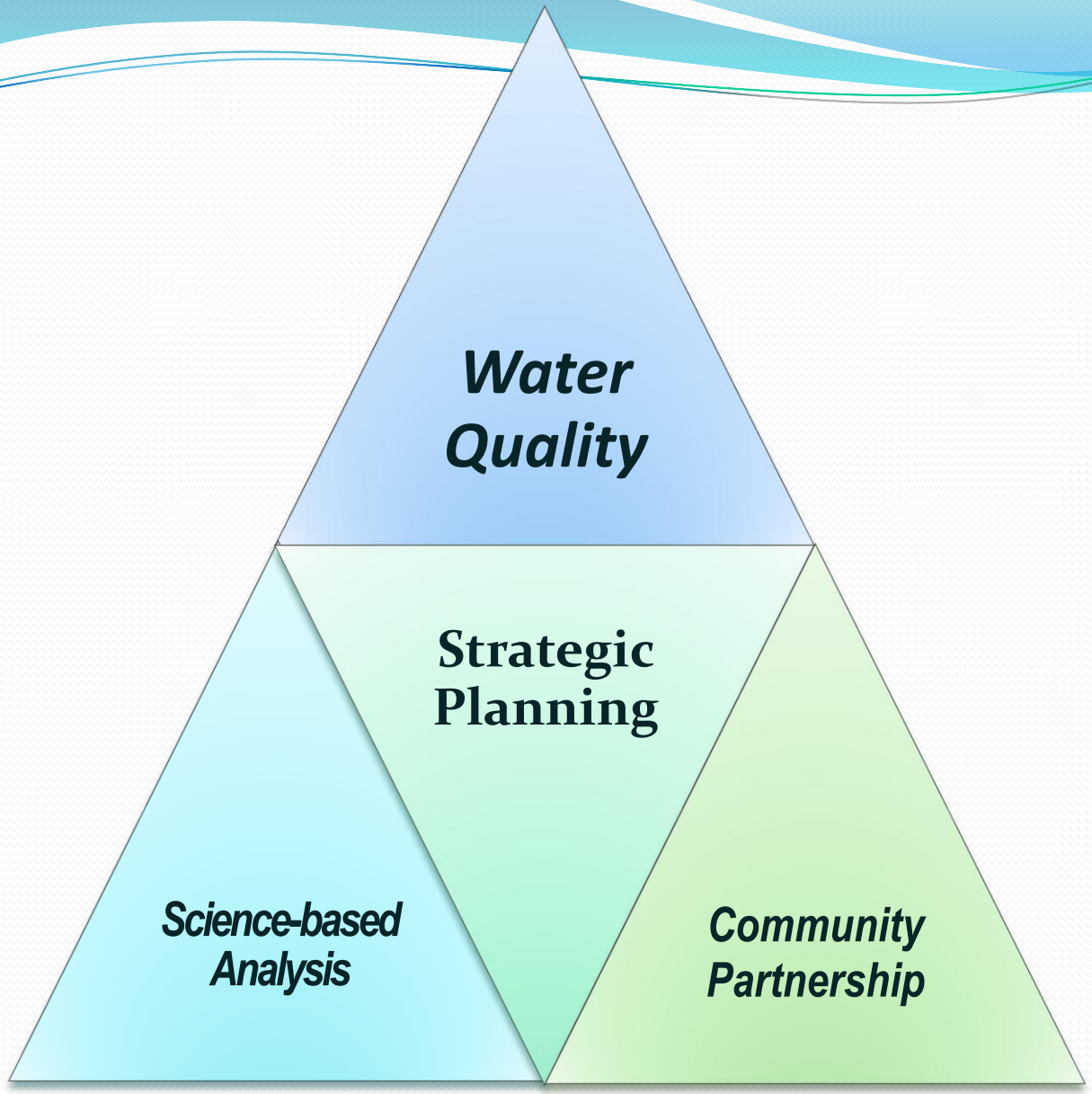

Sound Science Underpins Sound Decisions

Science? What for?

1. ***Identify "Problems"***
2. ***Evaluate Potential Solutions***
3. ***Monitor Progress***

Identify "Problems"

Identify, Characterize and Quantify

- ***Sources***
- ***Critical areas***
- ***Transport mechanisms / vector***
  (how contaminant gets in the stream)

Estimate pollutant load reductions needed to attain WQ standards

Evaluate Potential Solutions

Identify and Estimate

- ***Targeted management practices that can achieve load reductions***
- ***Quantity, type, location, cost-benefit of water quality enhancement measures***
- ***Help community identify tradeoffs to attain water quality standards while meeting local needs***

Monitor Progress

Prepare to Reassess and Adapt WPP (Adaptive Management)

- ***Establish criteria to determine if targets are being met during implementation***
- ***Develop monitoring strategy and feedback mechanisms for evaluating plan during implementation i.e. reassess and adapt***

Annotated Bibliography

Analyze Historic Data

Characterize Watershed

Geographic Information System

Spatially Explicit Modeling

Cost-benefit and other analyses

How?

Status?

Details?

Thanks

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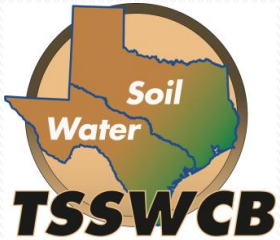

For More Information

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