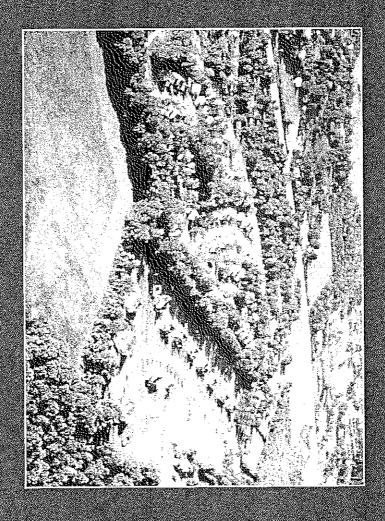
Laind Use and Waitershed Management Impacts on Stomwaier Runoif



Charles Martin, P.E.

Division of Water Quality



Presentation for the Urban County Council November 15, 2011

- Haucks Stormwater Quality Program Recentrance Proming Changes
- 3. Future Regulation Changes

Causes of stormwater pollution

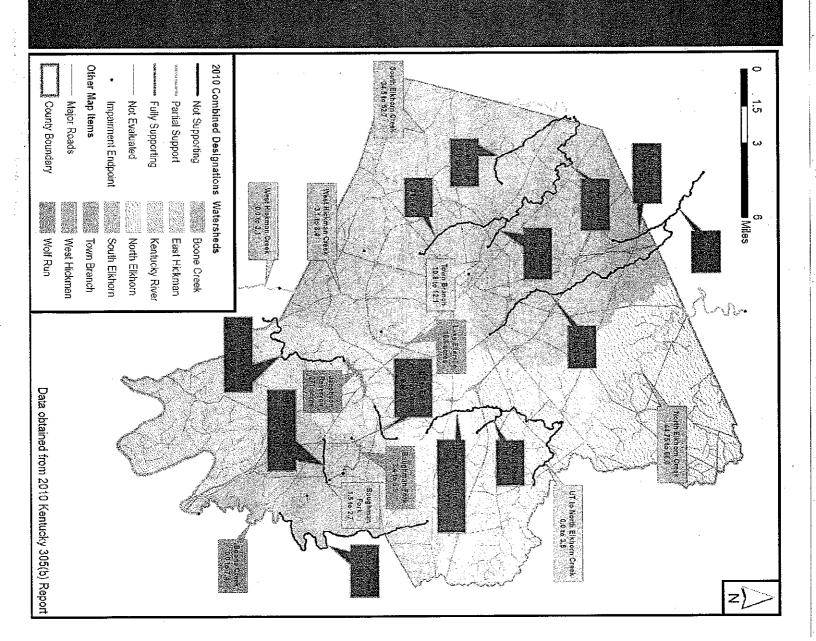
- Sedinent constitución sites, sitean & ditablement Goson it in the Goson
- peiwese Ivesios, blids and rodents
- SEWEIGH OF BEING MENG
- OH & Grease Hydrocarbons vehicles roadways
- Heavy Metals: vehicles, industry, rooitops

Injudices of polluted stormwater

- Greeks green with algae, or brown with sediment
- I TOUT LIGHT BOOK
- · Lower quality of lie
- No wading, canceing, fishing
- Blockages, flooding
- Regulationy violations
- KDOW MS4 Stormwater Permit
- Consent Decree



Watersheds, waters



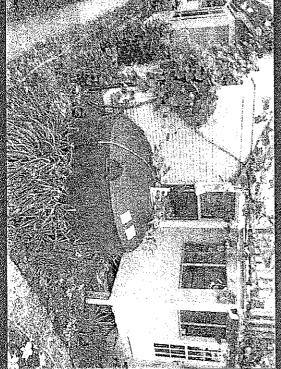
HUCG'S Sionnwaier Program Recent Changes

TEXTREVISIONS TO THE SUBBITISION REGULETIONS

- use hid (kennoved pokentie deniers)

Mimics Stolling is fundifications of pre-developing it





Develop LID Guidelines by September 1, 2012

- Jamuary 31, 2013 Revellaie Design Standaires Regulations, and Procedures by
- NOW ID IMPS

- New MS4 Permit Issued in September
- > May require new rule changes per EPA