



Division of Land Resources

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Geodetic Survey

Land Quality Section

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The North Carolina

Sedimentation

erosion control program



Erosion and Sedimentation in North Carolina

What is the Number One Pollutant, by volume, of North Carolina Waterbodies?



Sedimentation: The Facts

- Harmful to Fish and their Food Supply
- Destroys Wildlife Habitat
- Harmful Chemicals and Pollutants adsorbed or carried on soil particles
- Reduced property value
- Fills Streams and Lakes
 - Decreases the availability of water during droughts
 - Increases water treatment costs
 - Increases power costs
 - Increases chance of Flooding



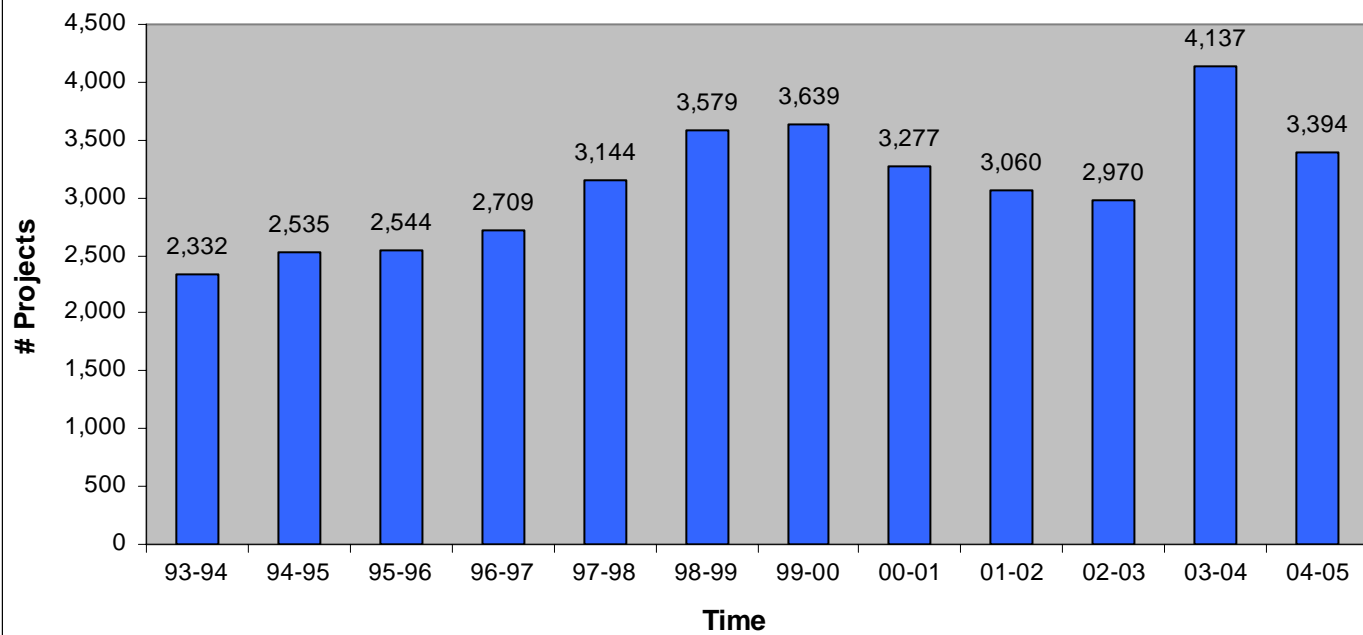
Sedimentation Cost

- Dredging of Lake Lure cost approximately \$1,400,000 in 1997 and an additional \$900,000 has been spent in dredging cost since 1997.
- Southeast United Methodist Assembly spent \$500,000 to dredge Lake Junaluska.
- City of Salisbury estimates that it cost the city approximately \$68,000 per year attributable to build up of sediment around the water intake structure.

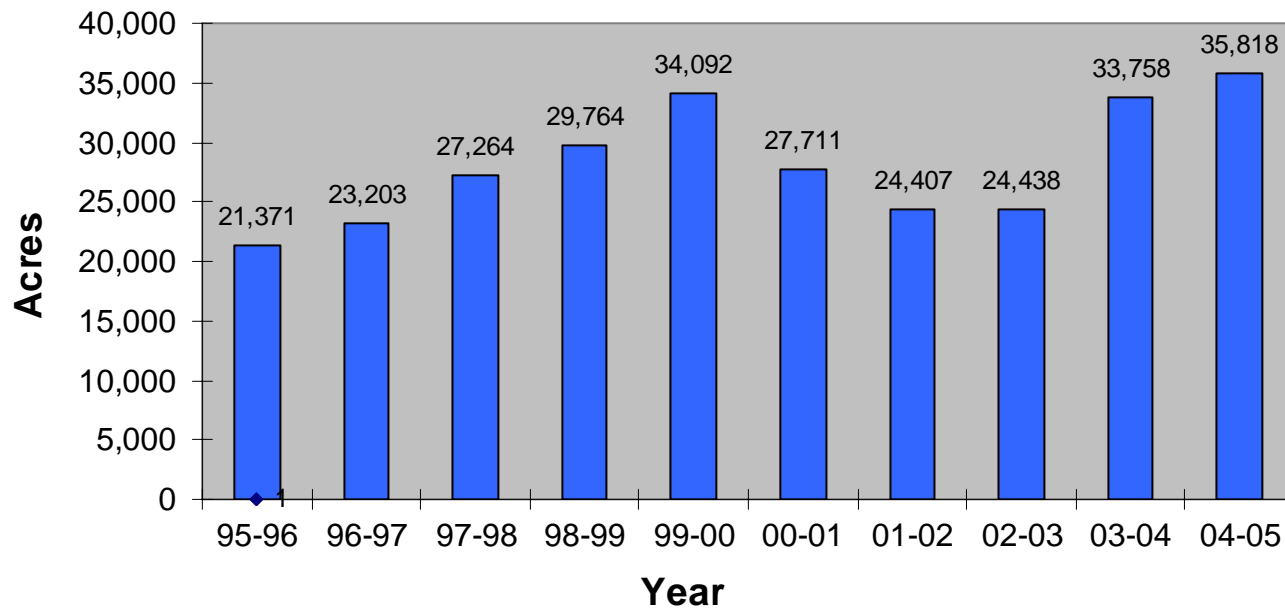
Sedimentation Control Commission

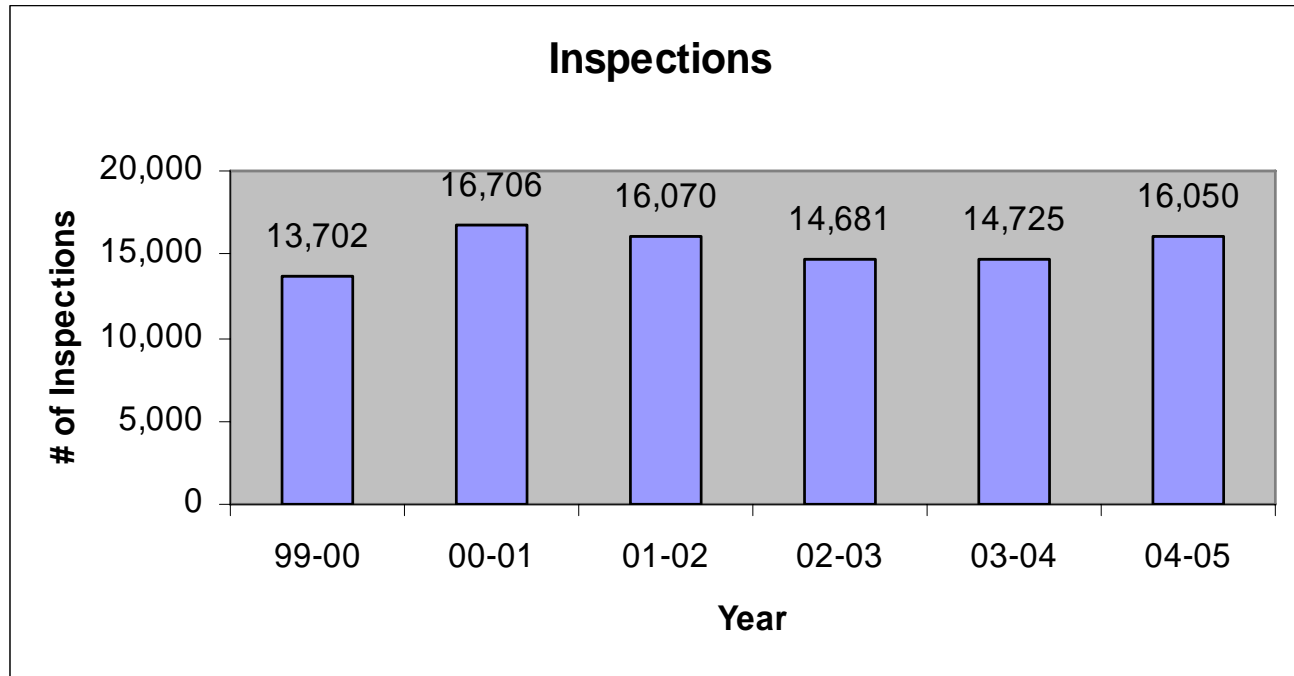
- ❑ 12 members, appointed by Governor, industry/environmental balance
- ❑ Rulemaking authority, oversight of state and local programs
- ❑ Large Technical Advisory Committee (TAC), members selected for technical expertise

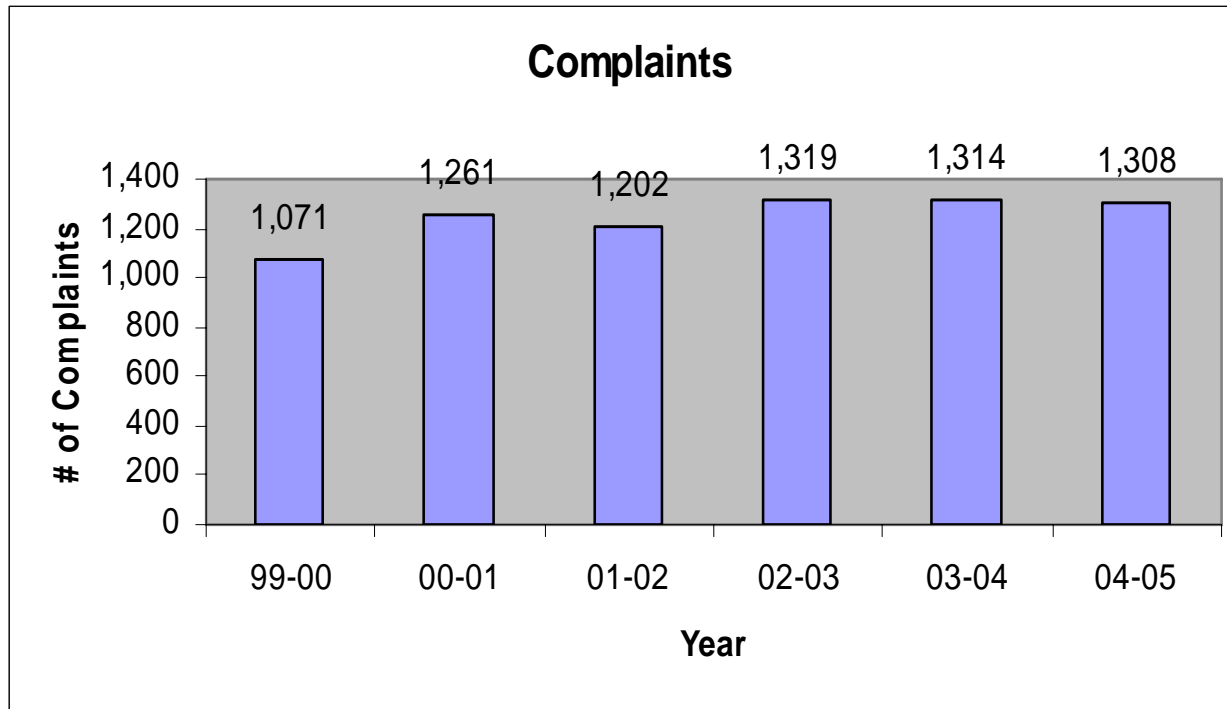
Permitted Sites Per Year



Disturbed Acres Per Year







Sedimentation Program Facts

1997 Action Plan report to the Governor and the ERC

- ❑ 6000 active projects

(excluding Local Government Programs and DOT)

- ❑ 20 FTEs to inspect these projects

- ❑ Projects are inspected on the average once every 6 months

- ❑ 36 delegated local programs

Sedimentation Program Facts

2005 Report to the ERC

- ❑ Currently have over 8000 active projects
(excluding Local Government Programs and DOT)
- ❑ 32 FTEs to inspect these projects
- ❑ Projects are inspected on the average once every 5 months
- ❑ 48 delegated local programs

Sedimentation Program Facts

	97-98	04-05
• Percentage of inspections resulting in NOVs	5.7%	4.7%
• Percentage of NOVs resulting in Enforcement	10.8%	8.4%



























AUG 25 2005



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MAR 29 2005



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