

Criterion 4: Conservation and maintenance of soil & water resources

- Protective function & BMP indicators:
 - 17. Protected area designations.
 - 18. BMPs to protect soil resources.
 - 20. BMPs to protect water resources.
- Resource condition indicators:
 - 19. Forest soil condition & trend – significant soil degradation.
 - 21. Forested area water quality condition & trend – significant change from reference conditions.



17. Protected area designations:

- 2003 report:
 - Nothing reported.
- 2010 report:
 - Water bodies by state designated as public water supplies (USEPA National Assessment Database):
 - Miles & % of rivers/streams
 - Acres & % of lakes/ponds/reservoirs



18. BMPs to protect soil resources.

20. BMPs to protect water resources.

- 2003 report:


- Nothing reported –
new indicators

- 2010 report:

- Overall & specific BMP
use by state & BMP
category (NASF
survey)



21. Forested area water quality condition & trend – significant change from reference conditions.

- 2003 report:
 - % of counties with forested watersheds having water quality parameters significantly different from other counties.
 - Limited interpretation.
 - 2010 report:
 - Water bodies by state classified by land use sources of impairment (USEPA National Assessment Database):
 - Miles & % of rivers/streams
 - Acres & % of lakes/ponds/reservoirs
 - Comparison of impairment attributed to silvicultural activities with other land use sources of impairments.
 - Much more interpretive.
- 

19. Forest soil condition & trend – significant soil degradation.

- 2003 report:
 - Limited dataset – 2 yrs from only about half the states.
 - Limited interpretation.
- 2010 report:
 - FIA Soil Indicator database – 5 yrs, 45 states.
 - Much more extensive interpretation.
 - Identification of the most extensive, soils-related forest health risk at the landscape scale.

