

APPENDIX VIII

Glossary

7Q10- a value which represents the lowest average flow for a seven day period that will recur on a ten year frequency. This value is applicable at any point on a stream. 7Q10 flow (in cfs) is used to allocate the discharge of toxic substances to streams.

AGPT-Algal Growth Potential Test.

AMS-Ambient Monitoring System.

BI(BIEPT)-Biotic Index, Biotic Index for EPT groups. A summary measure of the tolerance values of organisms found in the sample, relative to their abundance. Sometimes noted as the NCBI or NCBIEPT.

Bioclass-Criteria have been developed to assign bioclassifications ranging from Poor to Excellent to each benthic sample based on the number of taxa present in the intolerant groups (EPT) and the Biotic Index value.

BMAN-Biological Monitoring Ambient Network.

BODlt-Biochemical Oxygen Demand, long term.

cfs-Cubic feet per second, generally the unit in which stream flow is measured.

CHLA-Chlorophyll A.

ChV-Chronic Value. Of a toxicity test, defined as the geometric mean of the Lowest Observed Effect Concentration and the No Observed Effect Concentration.

DEM-Division of Environmental Management (became the Division of Water Quality on July 1, 1996)

D.O.-Dissolved Oxygen.

Ecoregion: An area of relatively homogeneous environmental conditions, usually defined by elevation, geology, and soil type. Examples include mountains, piedmont, coastal plain, sandhills and slate belt.

EHNR-N.C. Dept. of Environment, Health, and Natural Resources.

EPT-The insect orders Ephemeroptera, Plecoptera, Trichoptera)-as a whole the most intolerant insects present in the benthic community

EPT N- The abundance of Ephemeroptera, Plecoptera, Trichoptera insects present, using values of 1 for Rare, 3 for Common and 10 for Abundant.

EPT S-Taxa richness of the insect orders Ephemeroptera, Plecoptera and Trichoptera. Higher taxa richness values are associated with better water quality.

HQW-High Quality Waters

IWC- Instream Waste Concentration. The percentage of a stream comprised of an effluent calculated using permitted flow of the effluent and 7Q10 of the receiving stream.

JOC-Judicial Order by Consent- An administrative order issued by an administrative law judge which in some way modifies limitations of an NPDES permit by consent of both parties which provides interim limitations and conditions.

LC50- The concentration of a toxicant or percentage dilution of an effluent that is predicted to be lethal to 50% of a test population of organisms.

LOEC-In a toxicity test, the Lowest Observed Effect Concentration.

MGD-Million Gallons per Day, generally the unit in which effluent discharge flow is measured.

MSD-Metropolitan Sewerage District.

NPDES-National Pollutant Discharge Elimination System.

NCIBI-North Carolina Index of Biotic Integrity-a summary measure of the effects of factors influencing the fish community

NCTSI-North Carolina Trophic State Index.

NOEC-In a toxicity test, the No Observed Effect Concentration.

NSW-Nutrient Sensitive Waters.

NTU-Nephelometric Turbidity Unit.

ORW-Outstanding Resource Water.

Parameter-Independent measure of water quality. For example: Dissolved Oxygen, Turbidity are 2 parameters.

Parametric Coverage-A listing of parameters measured and reported.

PF-Permitted flow, of an NPDES permit.

POTW-Publicly Owned Treatment Works.

Secchi- a standard measure of water transparency as determined by lowering of a black and white Secchi disk to the depth that the disk is no longer visible.

Total S-the number of different taxa present in a benthic macroinvertebrate sample

WTP-Water treatment plant

WWTP-Wastewater treatment plant

