

Table S1. Details of keyword nodes merging

Original keyword nodes	Replacementz
Nonpoint Pollution	Non-Point Source Pollution
Nonpoint Source Pollution	Non-Point Source Pollution
Non-Point Source	Non-Point Source Pollution
Non -Point Source Pollution	Non-Point Source Pollution
Non-Point Pollution	Non-Point Source Pollution
Non-Point-Source Pollution	Non-Point Source Pollution
Non-Point Source (Nps) Pollution	Non-Point Source Pollution
Non-Point Source (Nps)	Non-Point Source Pollution
Non-Point Sources	Non-Point Source Pollution
Non-Point Sources Pollution	Non-Point Source Pollution
Nps Pollution	Non-Point Source Pollution
Diffuse Pollution	Non-Point Source Pollution
Diffuse Source Pollution	Non-Point Source Pollution
Diffuse Sources	Non-Point Source Pollution
Best Management Practice	Best Management Practices
Bmp	Best Management Practices
Bmps	Best Management Practices
Best Management Practices (Bmps)	Best Management Practices
Best Management Practices (Bmp)	Best Management Practices
Best Management Practice (Bmp)	Best Management Practices
Swat Model	SWAT
Nitrate Pollution	Nitrate
Nitrates	Nitrate
Land Use Change	Land Use
Land-Use Change	Land Use
Surface Runoff	Rrunoff
Watershed Modeling	Watershed Model
Mitigation Measures	Mitigation
Annagnps Model	AnnAGNPS
Model	Modeling
Modelling	Modeling
Critical Source Area	Critical Source Areas
Total Phosphorus	Phosphorus
Uncertainty	Uncertainty Analysis
Stormwater Management	Stormwater
Watersheds	Watershed
Catchment management	Catchment
Constructed wetland	Constructed wetlands
Cost-Effectiveness Analysis	Cost-Effectiveness
Environment	Environmental Management
Nutrient Load	Nutrient Loads

Nutrient	Nutrients
Riparian Buffers	Riparian Buffer
Sediments	Sediment
Water Quality Model	Water Quality Modeling
Wetlands	Wetland
Optimization	Multi-Objective Optimization
Pollution	Pollution Control
River Basin	River Basin Management
Spatial Variation	Spatial Distribution
Surface Water	Surface Water Quality
Total Maximum Daily Load (Tmdl)	TMDL
Wastewater Treatment	Wastewater

Table S2. Details of keyword nodes removal

Removal nodes	Removal Reasons
Non-Point Source Pollution	
Water Quality	Nodes' strengthes were too big to clear obeservation
Phosphorus	
SWAT	
Management	