LaRosa Partnership Program Monitoring Matrix

Monitoring Category	Monitoring Goal	Criteria (all need to be met)	Parameters	Sampling Design
A. Identify streams with potential to meet Very High Quality (VHQ) standards [A(1) or B(1)] as defined in Vermont Water Quality Standards or suspected to become stressed or impaired	1. Identify streams considered VHQ. 2. Identify streams that may be or could become stressed or impaired.	1. Streams that have little to no data, data > 10 years old, or where there have been or will be landscape changes. 2. Community interest in the protection of, or local concerns about water quality conditions. 3. Perennial streams large enough to sample year-round for biological sampling.	1. Dissolved Chloride 2. Total Phosphorus 3. Total Nitrogen 4. Flow level & category	Bi-weekly sampling From April 16th to August 8th Minimum of 8 sampling events + 2 high flow events.
B. Lake tributary sampling	1. Identify tributaries that may be contributing to increasing nutrient concentrations on lakes.	1. Tributaries to lakes with increasing nutrient trends. Refer to the Lakes Score Card. 2. Commitment of 3-4 years of sampling by watershed organization.		
C. TMDL waters sampling, or source identification for the potential listing of stressed rivers, tributaries, or lakes	1. Refine the extent of stressed and impaired waters. 2. Identify source areas contributing to stressed or impaired conditions to support targeted remediation and/or Best Management Practices (BMP) implementation.	1. Streams or streams draining to waters identified as stressed or impaired.		
D. BMP/Site remediation effectiveness monitoring	1. Evaluate water quality improvements after the implementation of significant remediations or BMPs.	1. Pre-implementation sample collection for at least one year prior to project. 2. Evidence of a planning process supporting the project. 3. Sample collection after implementation of high impact remediation project to be located in a small watershed or widespread remediation/BMPs in a small to moderate sized watershed. 4. Above and below sampling if possible. 5. Commitment of 3-4 years of sampling by watershed organization. 6. Commitment by MAP and Watershed Planners to assist with long-term data analysis and reporting.		