

## Appendix A - Tools for Prioritizing and Targeting

Minnesota Nutrient Reduction Strategy Pilot Project: Cannon River Watershed, Trout Brook Subwatershed

### Tools for Prioritizing and Targeting

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	State or Basin	Major watershed (HUC8)	Minor watershed	Individual farm or neighborhood
<b>Geographic priorities</b> - Identifying priority geographic areas based on where BMPs are most needed for WQ (i.e. considering geologically sensitive lands, land uses, biodiversity, and/or water quality)	WHAF HSPF ERT/EBI	WHAF HSPF ERT/EBI SWAT	PTMA* HSPF ERT/EBI Zonation SWAT	ERT/EBI MN P Index ACPT*
<b>BMP Suites</b> - Targeting best combinations of BMPs to use for specific WQ parameters, flow/climate conditions,	NBMP PBMP* Ag BMP AT* PTMA*	NBMP PBMP* Ag BMP AT* PTMA* HSPF SAM* SWAT	PTMA* HSPF SAM* Ag BMP AT* ACPT* SWAT	ACPT*
<b>Cost effectiveness</b> - Targeting best BMPs based on cost effectiveness	NBMP PBMP*	NBMP PBMP*	PTMA* HSPF SAM*	
<b>Suitable lands</b> - Targeting land areas well-suited for specific BMPs	NBMP PBMP*	NBMP PBMP*	RWPT ACPT*	ACPT*

	RWPT	RWPT		
<b>Meeting WQ goals</b> - Identifying the amount of land under new BMP adoption needed to meet specified water quality goals (for each BMP in the suite of BMPs)	PTMA* NBMP PBMP*	PTMA* NBMP PBMP*	PTMA* HSPF SAM*	
<b>Precision targeting</b> - Targeting very specific BMPs that would be needed/helpful in a given field or area				MN P Index ACPT*
<b>Multiple benefits</b> Targeting lands for BMPs where multiple environmental benefits will be maximized	WHAF ERT/EBI	WHAF ERT/EBI Zonation	ERT/EBI Zonation	ERT/EBI
<b>Contributing watershed</b> - Identifying geographic area contributing to a specific water				
<b>Source identification and allocation –</b> Identifying specific sources and associated load reduction allocations to meet TMDLs/Standards	N Study		PTMA*	