

# Prioritizing Municipal Stream Crossings in the Lakes Region Report

Lauren Pickford, Unity College, Lakes Environmental Association

Prioritization spreadsheet located here:

[https://docs.google.com/spreadsheets/d/1tZgr73Ppi2ry\\_blbWdm96q2FYAeL\\_WkUJQ1sVt5OAvs/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1tZgr73Ppi2ry_blbWdm96q2FYAeL_WkUJQ1sVt5OAvs/edit?usp=sharing)

Site ID (Map)	Priority Points Max 10	Variables (do not edit)			Watershed Info		Prioritization Weights (must equal 100)			Prioritization Value (do not edit)		
		Flood Risk	Miles to next	Habitat Rank	Stream	TributaryTo	Weight Flood Risk	Weight Miles Upstream	Weight Habitat (Brook trout)	Flood Risk Value (High=10,	Miles Value (=to miles with a	Habitat (ratio out of 10 based
9487	8.88	High	11.22	92	Stevens Brook	Stevens Brook	50%	30%	20%	10	10	4.4
8930	8.571	High	6.07	5	College Swamp	Smith Brook	50%	30%	20%	10	6.07	8.75
8878	8.396	High	5.52	6	Patte Brook	Crooked River	50%	30%	20%	10	5.52	8.7
838	8.056	High	4.32	4	Muddy River	Sebago Lake	50%	30%	20%	10	4.32	8.8
8919	8.033	High	4.81	21	Powers Brook	Stearns Pond	50%	30%	20%	10	4.81	7.95
8303	7.82	High	3.7	9	Walker Brook	Crooked River	50%	30%	20%	10	3.7	8.55
8319	7.688	High	4.36	42	Duck Pond Broo	Stearns Pond	50%	30%	20%	10	4.36	6.9
8389	7.67	High	5.3	72	Smith Brook	Cabbage Yard P	50%	30%	20%	10	5.3	5.4
8157	7.634	High	3.38	18	North Branch Lit	Sanborn Brook	50%	30%	20%	10	3.38	8.1

<b>A</b>	Site ID	The USFWS number assigned to each stream crossing. Searchable in the ArcGIS Web App.
<b>B</b>	Priority Points	Determined by multiplying the parameter values by their respective weights. With a maximum of 10 points per site. Sites with higher numbers are a higher priority for replacement.
<b>C</b>	Variables	Flood risk (F), miles to next upstream barrier (M), and habitat rank (H) variables. These are the raw information provided by the Maine Barrier Prioritization tool. Food risk is listed as high, medium, low, or unknown. Miles to next upstream barrier were modified from the function BatFuncUS (in meters) to miles. Habitat rank is a scale of 1-179 the total number of sites in the area of interest. This variable is based upon a ranking from the Coastal Resilience tool.
<b>D</b>	Watershed info	The stream and what it is a tributary to.
<b>E</b>	Priority weights	The percentage of importance of each parameter. These are editable categories but must equal to 100%.
<b>F</b>	Prioritization value	Each variable was assigned a value 1-10. Flood risk Value (High=10, Medium=8, Low=2, Unknown=5). Miles Value (=to miles with a max of 10). Habitat (ratio out of 10 based on TNC Brook Trout Habitat Final Rank).

# Prioritizing Municipal Stream Crossings in the Lakes Region Report

Lauren Pickford, Unity College, Lakes Environmental Association