

APPENDIX 1: PHOTO CREDITS

Cover		MM	<i>Right</i>	P. 77	JP	<i>Bottom</i>
P. 13		MM	<i>Right</i>	P. 77	JP	<i>Bottom</i>
P. 33		JP	<i>Top</i>	P. 79	KB	<i>Top</i>
P. 33		JP	<i>Bottom</i>	P. 79	JP	<i>Bottom</i>
P. 34		JP	<i>Left</i>	P. 80	JP	<i>Top</i>
P. 34		JP	<i>Right</i>	P. 80	JP	<i>Bottom</i>
P. 36		MM	<i>Left</i>	P. 81	JP	<i>Right</i>
P. 36		JP	<i>Right</i>	P. 82	JP	<i>Bottom</i>
P. 37		JP	<i>Left</i>	P. 84	JP	<i>Left</i>
P. 37		JP	<i>Right</i>	P. 87	MM	<i>Bottom</i>
P. 37		JP	<i>Bottom</i>	P. 88	JP	<i>Left</i>
P. 40		JP	<i>Left</i>	P. 91	JP	<i>Bottom</i>
P. 42		JP	<i>Right</i>	P. 92	JP	<i>Bottom</i>
P. 43		JP	<i>Left</i>	P. 94	JP	<i>Bottom</i>
P. 45		JP	<i>Left</i>	P. 95	JP	<i>Bottom</i>
P. 46		JP	<i>Left</i>	P. 96	JP	<i>Bottom</i>
P. 47		MM	<i>Right</i>	P. 97	JP	<i>Right</i>
P. 49		KM	<i>Bottom</i>	P. 98	JP	<i>Left</i>
P. 50		KM	<i>Left</i>	P. 99	JP	<i>Bottom</i>
P. 51		MM	<i>Top</i>	P. 100	JP	<i>Left</i>
P. 51		KM	<i>Bottom</i>	P. 101	JP	<i>Left</i>
P. 52		KM	<i>Left</i>	P. 103	JP	<i>Right</i>
P. 52		MM	<i>Right</i>	P. 105	JP	<i>Bottom</i>
P. 52		UNK	<i>Bottom</i>	P. 115	JP	<i>Left</i>
P. 53		MM	<i>Left</i>	P. 116	JP	<i>Bottom</i>
P. 53		MM	<i>Right</i>	P. 117	MLS	<i>Left</i>
P. 54		CM	<i>Left</i>	P. 117	MM	<i>Right</i>
P. 54		KM	<i>Right</i>	P. 118	MM	<i>Bottom</i>
P. 55		UNK	<i>Left</i>	P. 119	JP	<i>Bottom</i>
P. 55		CM	<i>Right</i>	P. 124	JP	<i>Bottom</i>
P. 55		PPS	<i>Bottom</i>	P. 127	JP	<i>Bottom</i>
P. 56		UNK	<i>Left</i>	P. 129	JP	<i>Bottom</i>
P. 56		MM	<i>Right</i>	P. 134	JP	<i>Bottom</i>
P. 56		MM	<i>Bottom</i>	P. 135	JP	<i>Left</i>
P. 57		MM	<i>Left Top</i>	P. 139	JP	<i>Top</i>
P. 57		MM	<i>Left Bottom</i>	P. 139	JP	<i>Bottom</i>
P. 57		UNK	<i>Right Top</i>	P. 140	JP	<i>Bottom</i>
P. 57		UNK	<i>Right Bottom</i>	P. 142	JP	<i>Bottom</i>
P. 58		PPS	<i>Left</i>	P. 143	JP	<i>Bottom</i>
P. 58		UNK	<i>Right</i>	P. 153	JP	<i>Right</i>
P. 59		JP	<i>Right</i>	P. 157	MM	<i>Top</i>
P. 60		JP	<i>Left</i>	P. 157	JP	<i>Bottom</i>
P. 63		JP	<i>Top</i>	P. 158	PPS	<i>Bottom</i>
P. 64		JP	<i>Left</i>	P. 162	JP	<i>Top</i>
P. 65		JP	<i>Right</i>	P. 162	JP	<i>Bottom</i>
P. 66		JP	<i>Bottom</i>	P. 163	JP	<i>Top</i>
P. 67		MM	<i>Bottom</i>	P. 163	JP	<i>Bottom</i>
P. 69		UNK	<i>Right</i>	P. 165	MM	<i>Bottom</i>
P. 72		CP	<i>Left</i>	P. 170	UNK	<i>Bottom</i>
P. 75		JP	<i>Bottom</i>	P. 174	440 th	<i>Bottom</i>

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MM =Michael Maierle
 JP =James Piwoni
 KM =Karen Mierow
 KB =Karen Baker
 PPS =Project for
 Public Spaces
 CP =City of
 Portland, OR
 MLS =Microsoft Live
 Search Maps
 UNK =Unknown
 CM =City of Milwaukee
 440th =Milwaukee 440th
 Local Redevelopment
 Authority

Appendices

APPENDIX 2

Synopsis of values reported in the literature.

Design Recommendations for Riparian Corridors and Vegetated Buffer Strips

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Table 4. General Riparian Buffer Strip Width Guidelines:

- (1) Function
- (2) Description
- (3) Width

- 1. Water Quality Protection
- 2. Buffers, especially dense grassy or herbaceous buffers on gradual slopes, intercept overland runoff, trap sediments, remove pollutants, and promote ground water recharge. For low to moderate slopes, most filtering occurs within the first 10 m, but greater widths are necessary for steeper slopes, buffers comprised of mainly shrubs and trees, where soils have low permeability, or where NPSP loads are particularly high.
- 3. 5 to 30 m

1. Riparian Habitat
2. Buffers, particularly diverse stands of shrubs and trees, provide food and shelter for a wide variety of riparian and aquatic wildlife.
3. 30 to 500 m +
1. Stream Stabilization
2. Riparian vegetation moderates soil moisture conditions in stream banks, and roots provide tensile strength to the soil matrix, enhancing bank stability. Good erosion control may only require that the width of the bank be protected, unless there is active bank erosion, which will require a wider buffer. Excessive bank erosion may require additional bioengineering techniques (see Allen and Leach 1997).
3. 10 to 20 m
1. Flood Attenuation
2. Riparian buffers promote floodplain storage due to backwater effects, they intercept overland flow and increase travel time, resulting in reduced flood peaks.
3. 20 to 150 m
1. Detrital Input
2. Leaves, twigs and branches that fall from riparian forest canopies into the stream are an important source of nutrients and habitat.
3. 3 to 10 m