

Supplementary Material

Table A. Larval breeding sites signaled in stormwater management systems

Type of breeding sites	Species found	Country	Reference
Services manholes and pits	<i>Ae. tremulus</i> , <i>Ae. aegypti</i>	Australia	Kay <i>et al.</i> 2000
	Culicidae	United States	Harbison <i>et al.</i> 2009
	<i>Cx. quinquefasciatus</i>	United States	Mulligan III and Schaefer 1982
Stormwater catch basins	<i>Cx. quinquefasciatus</i>	United States	Su <i>et al.</i> 2003
	<i>Cx. pipiens</i> , <i>Cx. restuans</i> , <i>Ae. vexans</i>	United States	Gardner <i>et al.</i> 2012
	<i>Ae. albopictus</i>	Italy	Carrieri <i>et al.</i> 2011
	<i>Cx. pipiens</i> (63%), <i>Cx. erraticus</i> (37%), <i>Ae. vexans</i> (0.1%)	United States	Gerry and Holub 1989
	<i>Ae. albopictus</i>	Italie	Vallorani <i>et al.</i> 2015
	<i>Cx. pipiens</i> , <i>Cx. torrentium</i>	Poland	Rydzanicz <i>et al.</i> 2016
	<i>Ae. aegypti</i> , <i>Cx. quinquefasciatus</i>	United States	Hribar <i>et al.</i> 2004
	<i>Ae. albopictus</i> , <i>Cx. pipiens</i> , <i>Cs. longiareolata</i>	Spain	Eritja 2013
Constructed wetlands	<i>Ae. vexans</i> , <i>Cx. pipiens</i> , <i>Cx. restuans</i>	United States	Gingrich <i>et al.</i> 2006
	<i>Cx. tarsalis</i> (71%), <i>Cx. stigmatosoma</i> (27%), <i>Cx. quinquefasciatus</i> (1%)	United States	Thullen <i>et al.</i> 2002
	<i>Cx. tarsalis</i> , <i>An. hermsi</i>	United States	Giannino and Walton 2004
	<i>Cs. incidens</i> , <i>Cs. inomata</i> , <i>An. hermsi</i> , <i>Cx. restuans</i> , <i>Cx. quinquefasciatus</i> , <i>Cx. stigmatosoma</i> , <i>Cx. erythrothorax</i> , <i>Cx. tarsalis</i>	United States	Walton and Giannino 2005
	<i>Ae. (Oc.) cinereus</i> , <i>Ae. (Oc.) communis</i> , <i>Ae. (Oc.) punctor</i> , <i>Ae. (Oc.) cantans</i> , <i>Ae. (Oc.) annulipes</i> , <i>Cx. pipiens/torrentium</i> , <i>An. claviger</i> , <i>Cq. richiardii</i>	Sweden	Schäfer <i>et al.</i> 2004
	<i>Cx. tarsalis</i> , <i>Cx. stigmatosoma</i> , <i>Cs. incidens</i> , <i>An. hermsi</i> , <i>An. franciscanus</i> , <i>Cx. tarsalis</i> , <i>An. hermsi</i>	United States	Metzger <i>et al.</i> 2008
Sand filters	<i>Cx. restuans</i> , <i>Cx. pipiens</i> , <i>Ae. japonicus</i>	United States	Gingrich <i>et al.</i> 2006
Retention ponds	<i>Ae. vexans</i> , <i>Cx. pipiens</i> , <i>Cx. restuans</i>	United States	Gingrich <i>et al.</i> 2006
	<i>Cx. erraticus</i> (20.5%), <i>Cx. territans</i> (14.1%), <i>An. quadrimaculatus</i> (10.9%)	United States	Hunt <i>et al.</i> 2006
	<i>Cx. pipiens</i> , <i>Cx. tarsalis</i>	Canada	Jackson <i>et al.</i> 2009
	<i>Ae. vexans</i> , <i>Cx. pipiens</i> , <i>Cx. restuans</i>	United States	Smith and Shishler 1981
	<i>Cx. quinquefasciatus</i> , <i>Cx. tarsalis</i> , <i>Cx. stigmatosoma</i> , <i>Cs. incidens</i> , <i>Cs. inornata</i> , <i>An. hermsi</i>	United States	Metzger <i>et al.</i> 2008
Below ground stormwater treatment devices	Culicidés	United States	Harbison <i>et al.</i> 2010
Drains	<i>An. sp</i> , <i>Cx. sp</i>	Tanzania	Castro <i>et al.</i> 2010
	<i>Toxorhynchites splendens</i>	India	Pramanik and Raut 2003
	<i>Cx. quinquefasciatus</i>	United States	Müller <i>et al.</i> 2010
Bioinfiltration swales	<i>Cx. quinquefasciatus</i> , <i>Cx. tarsalis</i> , <i>Cx. stigmatosoma</i> , <i>Cs. incidens</i>	United States	Metzger <i>et al.</i> 2008
Bioinfiltration strip	<i>Cx. quinquefasciatus</i> , <i>Cx. tarsalis</i> , and <i>Cx. stigmatosoma</i>	United States	Metzger <i>et al.</i> 2008
Infiltration basins	<i>Cx. quinquefasciatus</i> , <i>Cx. tarsalis</i> , <i>Cx. stigmatosoma</i> , <i>Cs. inornata</i> , <i>An. hermsi</i> , <i>An. franciscanus</i>	United States	Metzger <i>et al.</i> 2008

Ae.: Aedes/ *An.*: Anopheles/ *Cx.*: Culex/ *Cs.*: Culiseta/ *Oc.*: Ochlerotatus/ *Cq.*: Coquillettidia

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Illustrations of the type of sites considered in the paper



(a) Green Roof TV1 in Mions



(b) Green Roof TV2 in Lyon

Figure A. Green Roofs (photo M. Valdelfener)



Figure B. Example of swales (photo M. Valdelfener)



Figure C. Examples of retention / detention (left) and infiltration basins (right)
(photos L. Bacot)

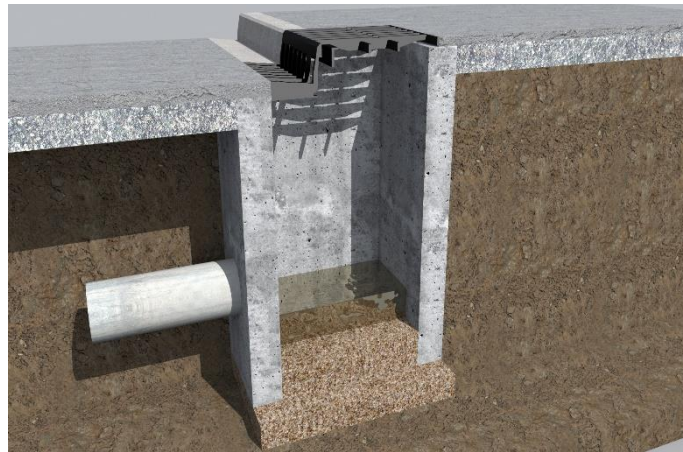


Figure D. Schematic of the gully pots used in Lyon Metropolis
(Source: J. Gonod – Greater Lyon)

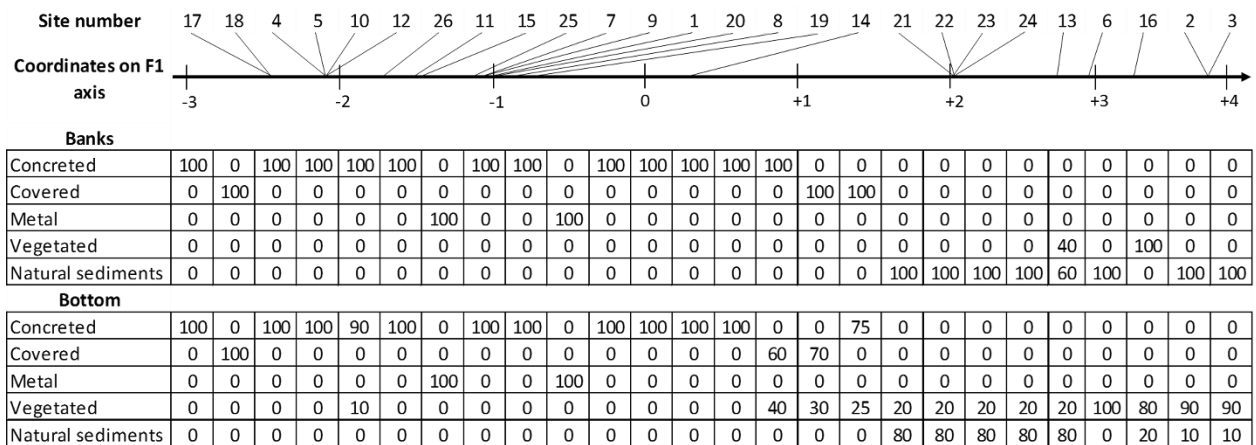


Figure E. Environmental characteristics of the 26 habitats sampled in retention and/or infiltration basins synthetized by their coordinates in the first PCA axis (top) and substrate characteristics for banks and bottom layer (in percent, bottom)