

Pollutant Modeling Bibliography

SIMPLE-Monthly Pollutant Loading Model Development & Documentation

Document	Year	Prepared By*	Prepared For*
Sarasota County Pollutant Loading Model Development (W552) Design Report	2009	JEA	Sarasota County
Sarasota County Pollutant Loading Model Development (W552) SIMPLE-Monthly Calibration Report	2009	JEA	Sarasota County
Sarasota County Pollutant Loading Model Refinement – Event Mean Concentration Monitoring	2009	JEA	Sarasota County
EMC Monitoring in Support of Pollutant Load Modeling	2010	PBS&J	Sarasota County & SWFWMD
SIMPLE Hydrologic Engine Programming Accuracy Assessment Technical Memorandum	2013	HSW	Sarasota County
SIMPLE Hydrologic Engine User Manual	2013	HSW	Sarasota County
Technical Memorandum for Task 7: Pollutant Load Modeling (SIMPLE-Monthly Updates)	2017	JEA	Sarasota County
Technical Memorandum for Task 12: Pollutant Load Modeling (SIMPLE-Monthly Updates)	2017	JEA	Sarasota County
Sarasota County Pollutant Loading Model Operations Manual	2017	JEA	Sarasota County

Other Pollutant Loading Models

Document	Year	Prepared By*	Prepared For
User’s Manual: Watershed Management Model Version 4.1	1998	CDM	Sarasota County
Sarasota County Pollutant Loading Model Refinement Final Monitoring Plan	2007	PBS&J	Sarasota County & SWFWMD
Water Quality Target Refinement Project Task 4: Pollutant Loading Estimates Development	2010	Janicki Environmental	CHNEP

Pollutant Loading Model Results for NPDES

Document	Year	Prepared By*	Prepared For
Sarasota County Stormwater Outfall Maps	1992	CDM	Sarasota County
Sarasota County 1993 NPDES Permit Application – Excerpt, Sections 3A and 3B	1993	CDM	Sarasota County
MS4-NPDES Permit FL0004 Sarasota County & Co-Applicants Seasonal Loadings and EMC Estimates	1999	CDM	Sarasota County
Sarasota County NPDES MS4 2016 Annual Report Monitoring Data Summary: Pollutant Load Modeling	2017	JEA	Sarasota County

Pollutant Loading Model Results for Other Purposes

Document	Year	Prepared By*	Prepared For
Phillippi Creek Water Quality Study	1982	MML & Sarasota County	SWFRPC
Point/Non-Point Source Pollution Loading Assessment, Phase I	1992	CDM	SBEP

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Document	Year	Prepared By*	Prepared For
Point/Non-Point Source Pollution Loading Assessment, Phase II (Draft)	1992	CDM	SBEP
Point/Non-Point Source Pollution Loading Assessment, Phase III	1992	CDM	SBEP
Modeling the Impact of Nutrient Load Reduction on Water Quality & Seagrass in Roberts Bay and Little Sarasota Bay	1995	UF	SBEP & SWFWMD
Contaminant Survey of Sarasota Bay Priority Watersheds (Cedar Hammock Creek, Bowlees Creek, Whitaker Bayou, Hudson Bayou and Phillippi Creek)	1999	MML & CDM	SBEP
Nonpoint Source Model Development and Basin Management Strategies for Lemon Bay, Part 1 of 2	2004	ERD	SWFWMD
Nonpoint Source Model Development and Basin Management Strategies for Lemon Bay, Part 2 of 2	2004	ERD	SWFWMD
Memorandum: Roberts Bay Pollutant Load Reductions	2006	JEA	Sarasota County
Evaluation of Phillippi Creek Draft Hydrodynamic and Water Quality Modeling Report	2009	Janicki Environmental	Sarasota County
North Port Water Enhancement Project	2009	PBS&J	City of North Port
Status and Trends in Pollutant Loads and Natural Resource Responses in Sarasota Bay	2009	PBS&J	City of Sarasota
Phillippi Creek: One Dimensional Hydrodynamic and Water Quality Modeling Report	2011	EPA	
Modeling Report for Mud Lake Slough (WBID 1958) for Nutrients and Dissolved Oxygen	2013	EPA	
Modeling Report for Owen Creek and Myakka River (WBIDs 1933 & 1981B) Dissolved Oxygen and Nutrients	2013	EPA	

Watershed Management Plans for Sarasota County

Document	Year	Prepared By*	Prepared For
Dona Bay Watershed Management Plan	2007	KHA	Sarasota County
Lemon Bay Watershed Management Plan	2010	JEA & Janicki Environmental	Sarasota County & SWFWMD
Little Sarasota Bay Water Quality Management Plan	2012	JEA & Janicki Environmental	Sarasota County & SWFWMD
Roberts Bay North Watershed Management Plan	2010	JEA & Janicki Environmental	Sarasota County & SWFWMD
Sarasota Bay Water Quality Management Plan	2012	JEA & Janicki Environmental	Sarasota County & SWFWMD

General Information on Pollutant Load Modeling

Document	Year	Prepared By*	Prepared For
Pre-development Land Cover Map	2013	Stantec	Sarasota County
Results of the Nationwide Urban Runoff Program (Executive Summary)	1983	EPA	

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Document	Year	Prepared By*	Prepared For
Evaluation of Current Stormwater Design Criteria within the State of Florida	2007	Janicki Environmental	FDEP
Technical Memorandum: Natural Vegetation Runoff Characteristics	2009	ERD	FDEP
Quantifying Nutrient Loads Associated with Urban Particulate Matter and Biogenic/Litter Recovery Through Current MS4 Source Control and Maintenance Practices	2011	UF	FSA

*Abbreviations

CDM – Camp Dresser & McKee

CHNEP – Charlotte Harbor National Estuary Program

EPA – US Environmental Protection Agency

ERD – Environmental Research & Design

FDEP – Florida Department of Environmental Protection

FSA – Florida Stormwater Association

HSW – HSW Engineering

JEA – Jones Edmunds & Associates

KHA – Kimley-Horn & Associates

MML – Mote Marine Laboratory

PBS&J – Engineering firm originally called Post, Buckley, Schuh and Jernigan, Inc., now part of Atkins Global

SBEP – Sarasota Bay (National) Estuary Program

SWFRPC – Southwest Florida Regional Planning Council

SWFWMD – Southwest Florida Water Management District

UF – University of Florida