Preface

This book is intended to be a resource to cost-effectively assess the performance of, and schedule maintenance for, stormwater treatment practices. Maintenance should never occur without an accurate assessment of the operating condition of a stormwater treatment practice. Thus, this book first details how to assess the performance of a stormwater treatment practice. It provides distinct levels of standardized assessment methodology, in increasing cost and difficulty, from which the user can select only those methods that are necessary. It also provides instructions on how to successfully complete an assessment of a stormwater treatment practice, including all required tasks, sample and data analysis, and other items. Finally, the book provides detailed guidance on how to use the information gathered during assessment to select and schedule the most appropriate maintenance actions.

The methods presented in this book will:

- Help users select cost-efficient assessment methods
- Help users develop an assessment program
- Ensure that an assessment program yields meaningful results
- Provide guidelines for reporting results and scheduling maintenance
- Allow for more meaningful comparisons between assessment and maintenance results of different stormwater treatment practices

The intended audience for this book includes engineers, planners, consultants, watershed district personnel, municipal staff, and natural resource managers, among others. Thus, case studies have been included, when possible, to provide practical examples related to the concepts discussed.

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