HOLISTIC WATERSHED MANAGEMENT FOR EXISTING AND FUTURE LAND USE DEVELOPMENT ACTIVITIES: OPPORTUNITIES FOR ACTION FOR LOCAL DECISION MAKERS: PHASE 2 – FDC APPLICATION MODELING (FDC 2A PROJECT)

SUPPORT FOR SOUTHEAST NEW ENGLAND PROGRAM (SNEP) COMMUNICATIONS STRATEGY AND TECHNICAL ASSISTANCE

FINAL REPORT APPENDIX C RUNOFF DURATION CURVES FOR HRU-SCALE SCM MODELING SCENARIOS SEPTEMBER 30, 2022

Prepared for:

U.S. EPA Region 1



Prepared by:

Paradigm Environmental



Great Lakes Environmental Center



Blanket Purchase Agreement: BPA-68HE0118A0001-0003 Requisition Number: PR-R1-20-00322 Order: 68HE0121F0052

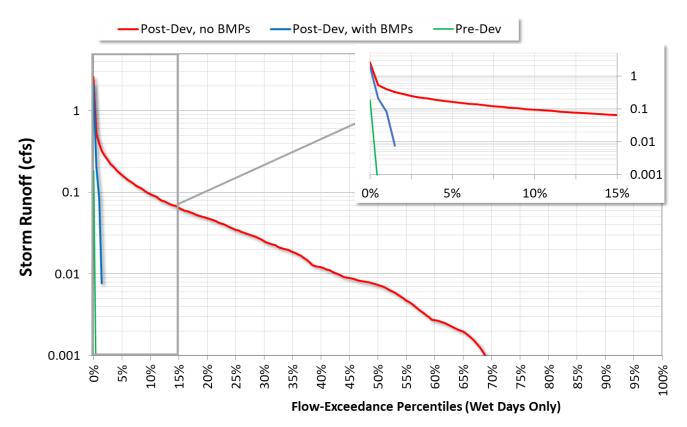
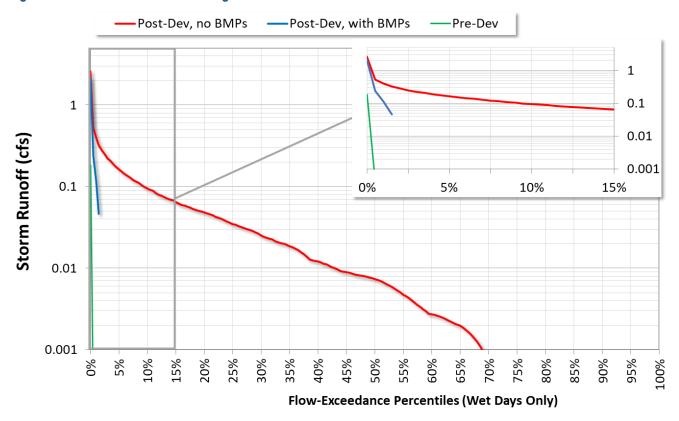


Figure 1. Runoff duration curve for High control level infiltration basin on HSG A with an infiltration rate of 8.27 in/hr.





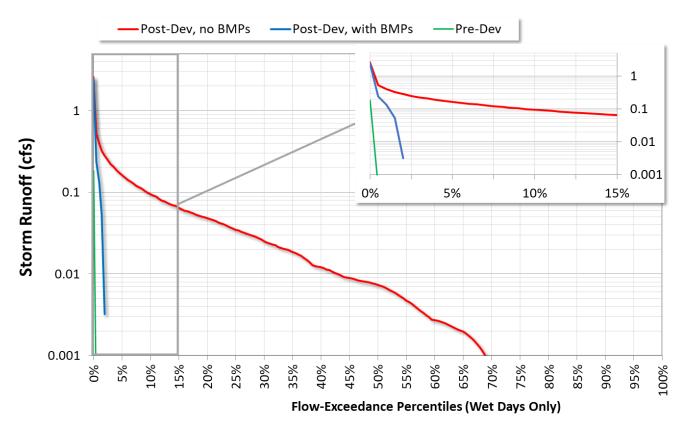
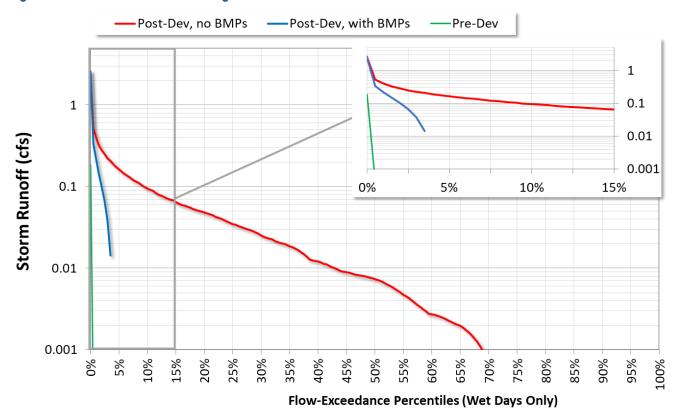


Figure 3. Runoff duration curve for High control level infiltration basin on HSG A with an infiltration rate of 2.41 in/hr.





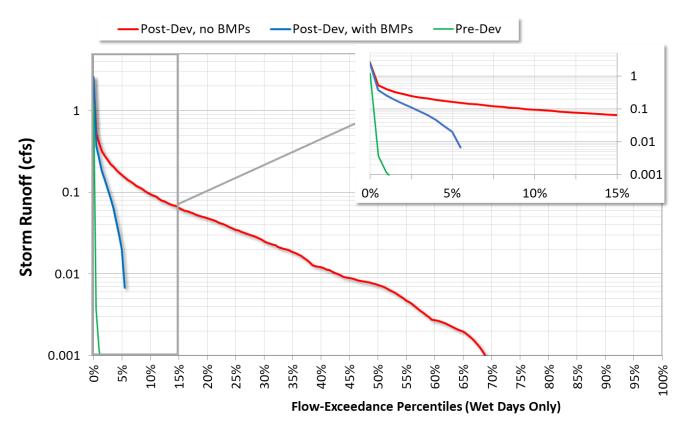
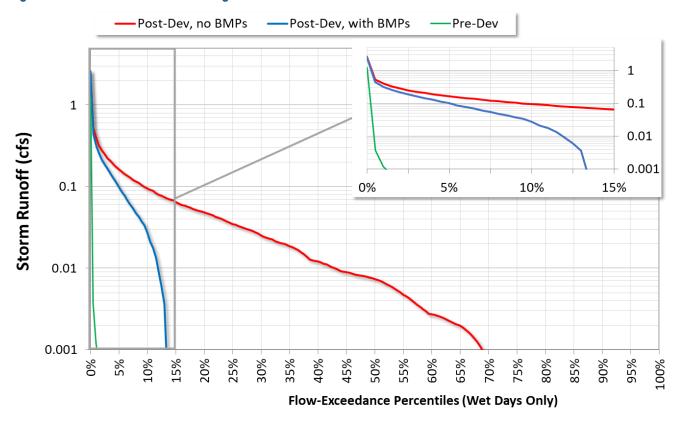


Figure 5. Runoff duration curve for High control level infiltration basin on HSG B with an infiltration rate of 1.02 in/hr.





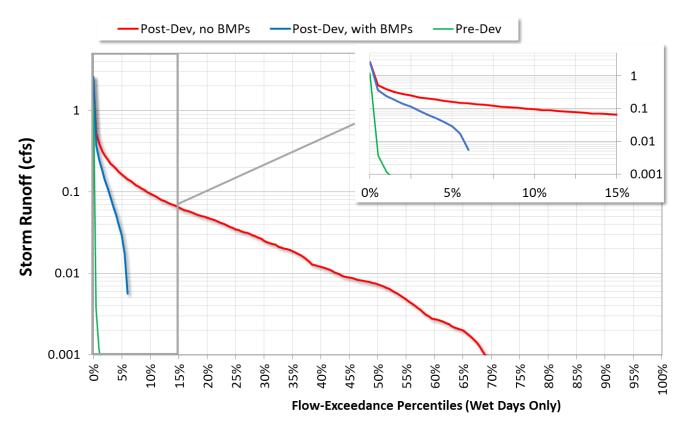
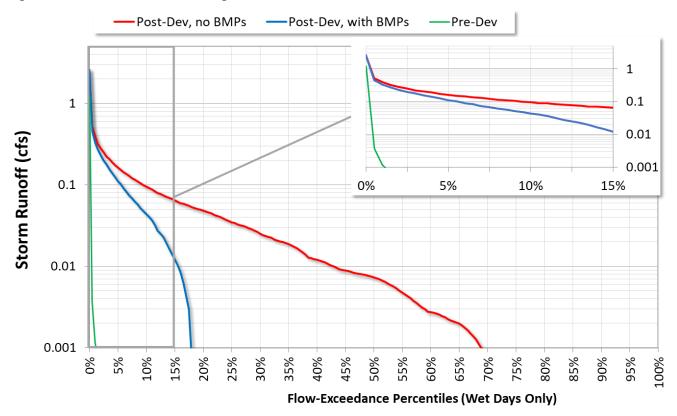


Figure 7. Runoff duration curve for High control level infiltration basin on HSG B with an infiltration rate of 0.52 in/hr.





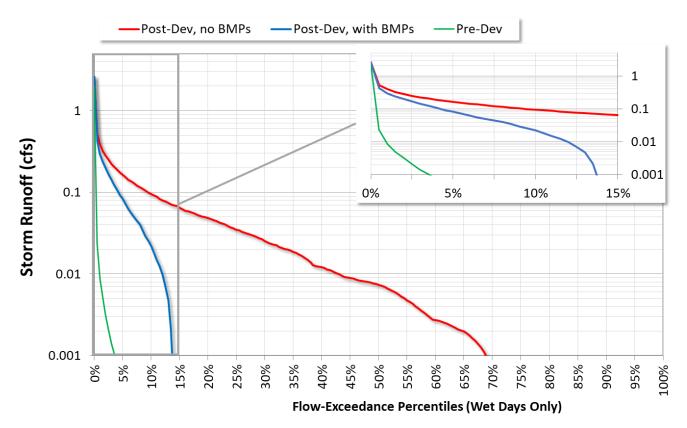
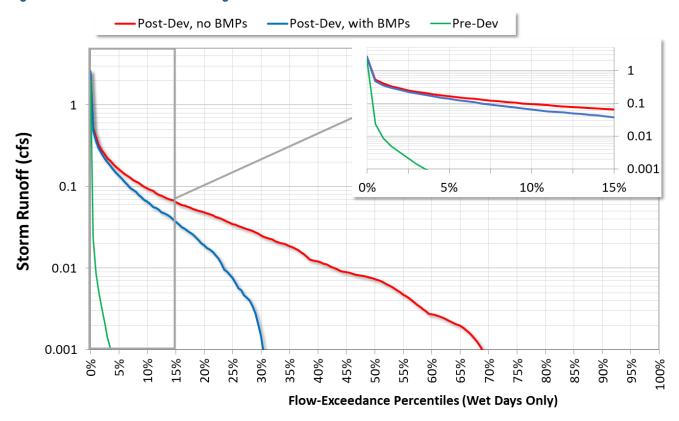


Figure 9. Runoff duration curve for High control level infiltration basin on HSG C with an infiltration rate of 0.27 in/hr.





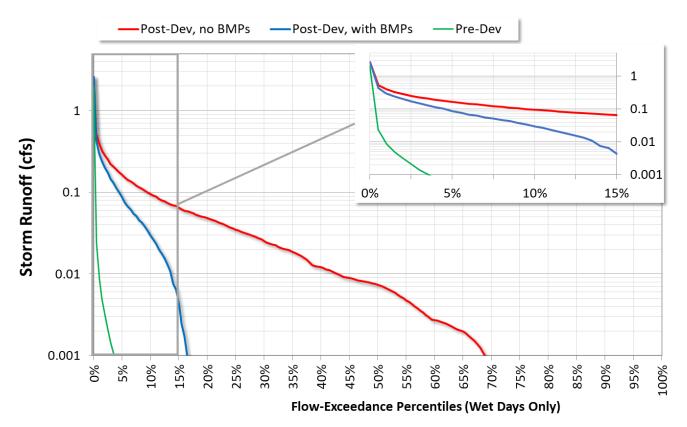
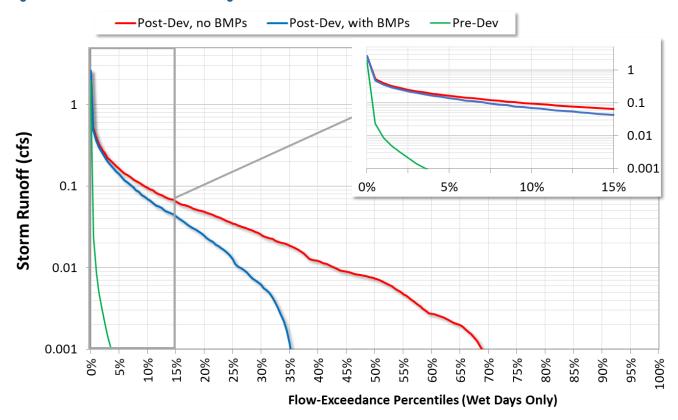


Figure 11. Runoff duration curve for High control level infiltration basin on HSG C with an infiltration rate of 0.17 in/hr.





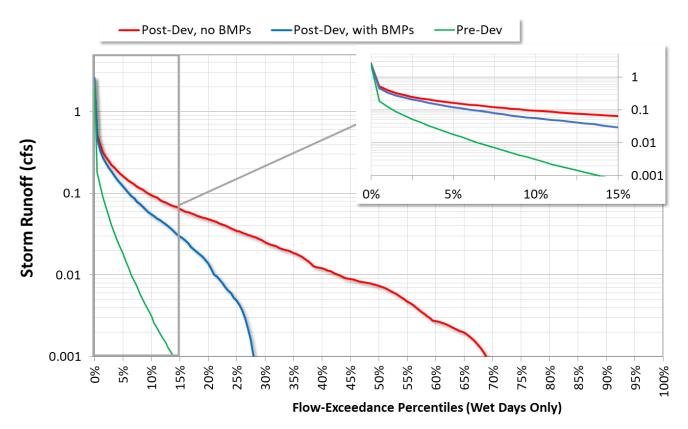
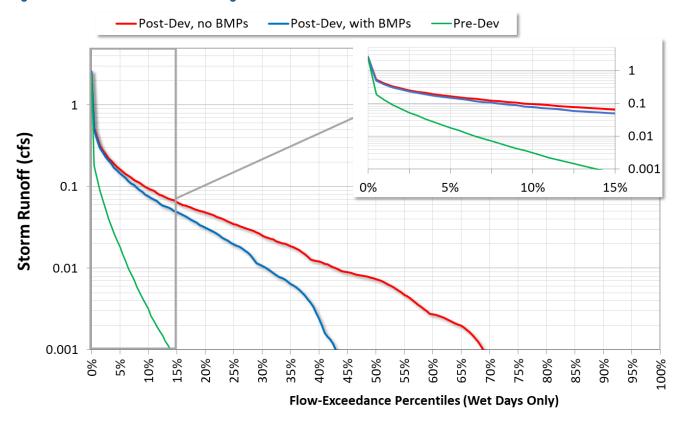
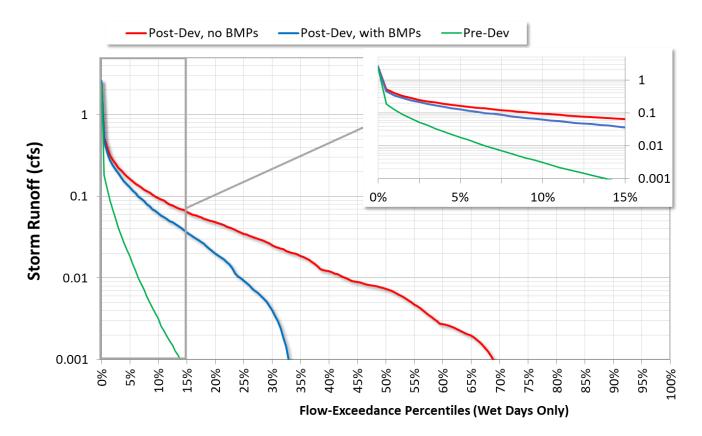


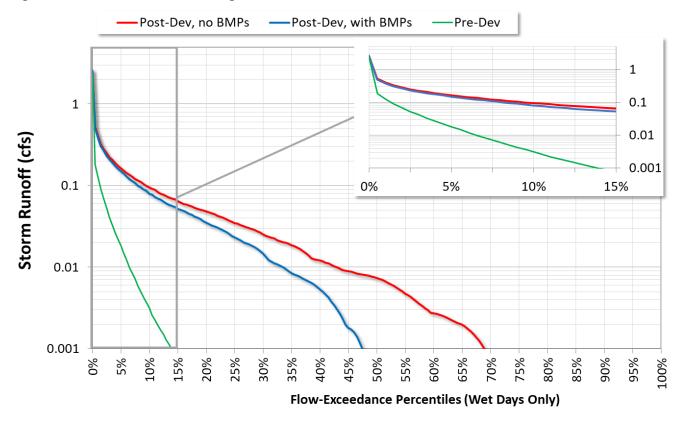
Figure 13. Runoff duration curve for High control level infiltration basin on HSG D with an infiltration rate of 0.1 in/hr.













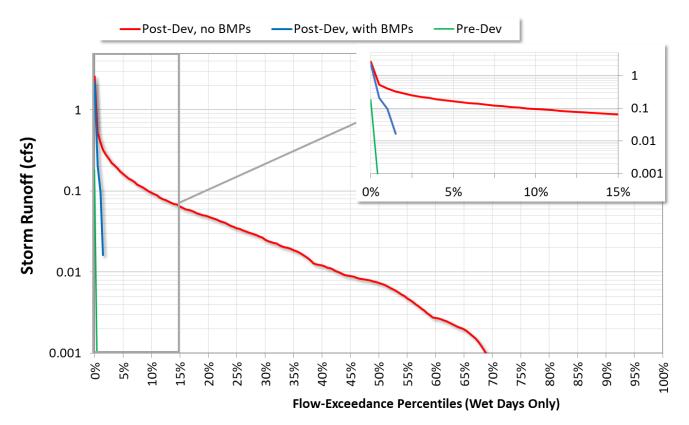
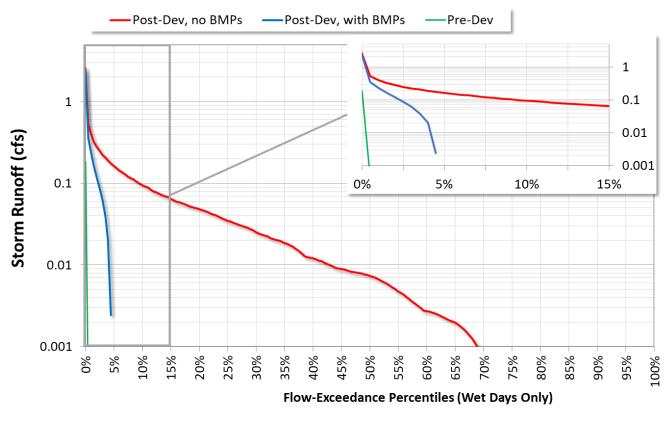


Figure 17. Runoff duration curve for High control level infiltration trench on HSG A with an infiltration rate of 8.27 in/hr.





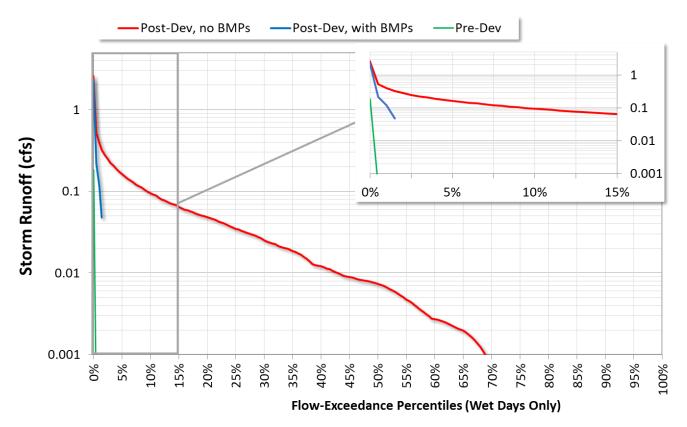
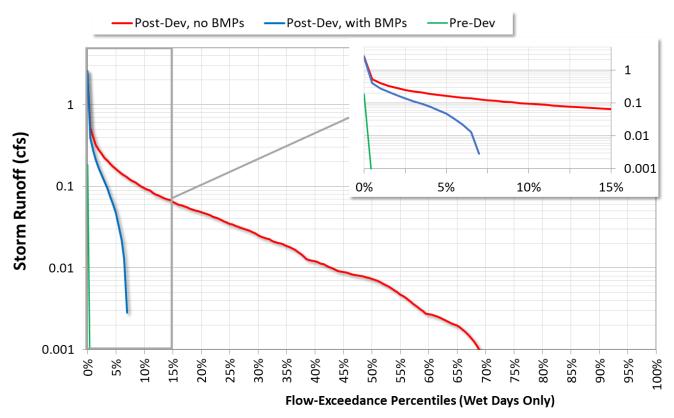


Figure 19. Runoff duration curve for High control level infiltration trench on HSG A with an infiltration rate of 2.41 in/hr.





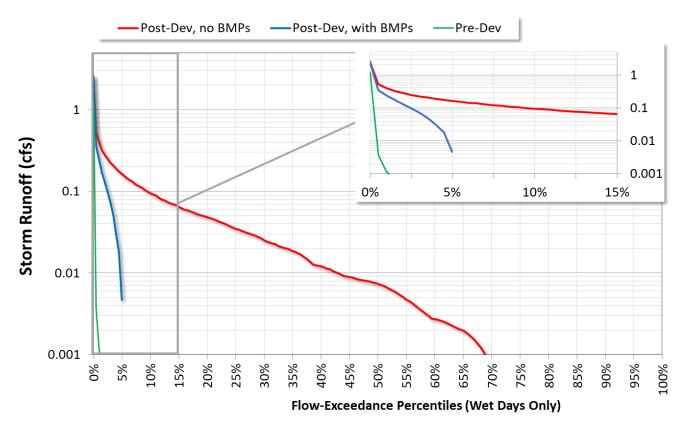
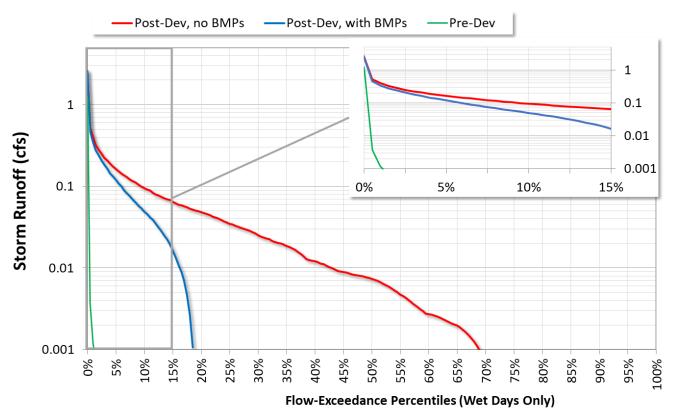


Figure 21. Runoff duration curve for High control level infiltration trench on HSG B with an infiltration rate of 1.02 in/hr.





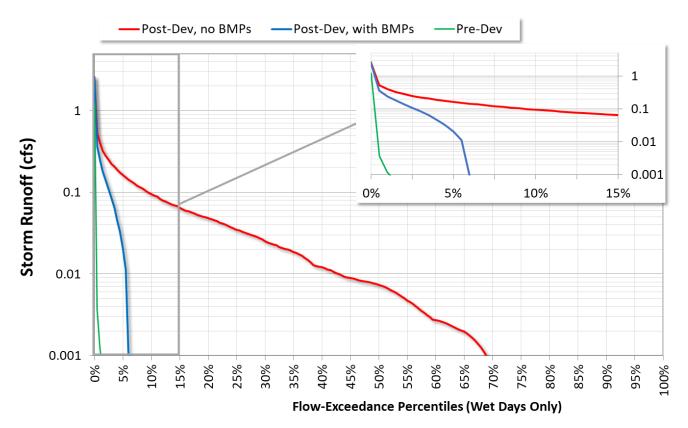
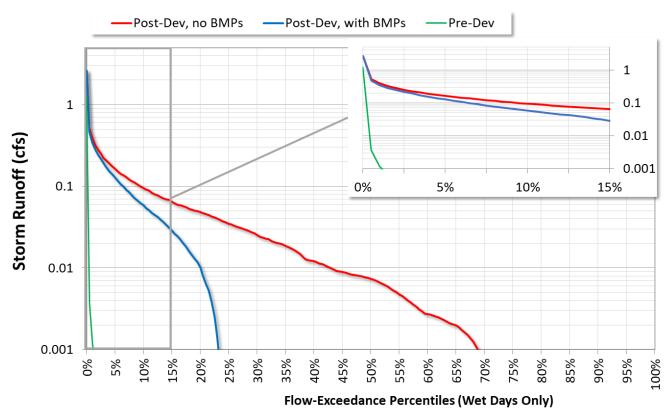


Figure 23. Runoff duration curve for High control level infiltration trench on HSG B with an infiltration rate of 0.52 in/hr.





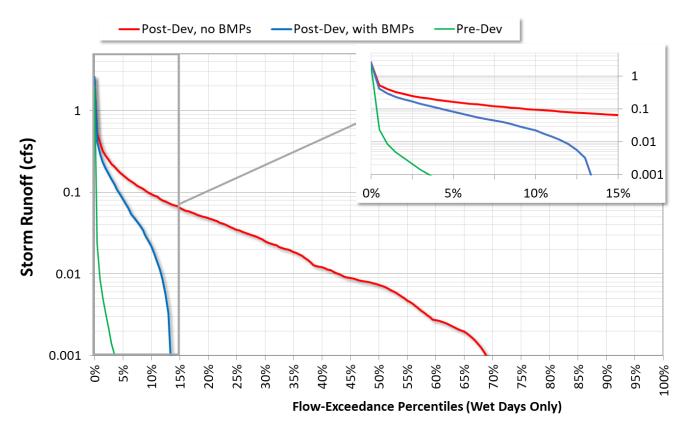


Figure 25. Runoff duration curve for High control level infiltration trench on HSG C with an infiltration rate of 0.27 in/hr.

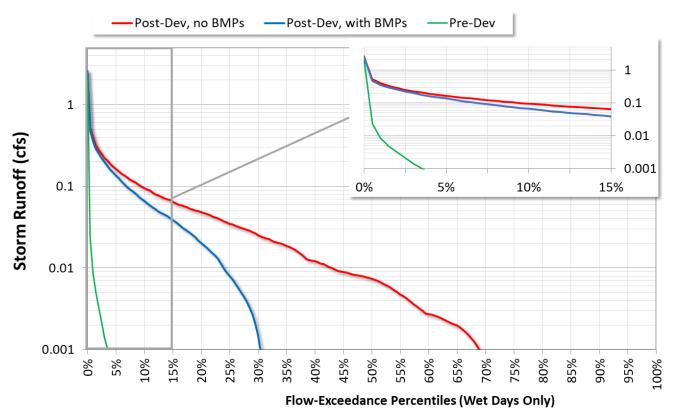


Figure 26. Runoff duration curve for MS4 control level infiltration trench on HSG C with an infiltration rate of 0.27 in/hr.

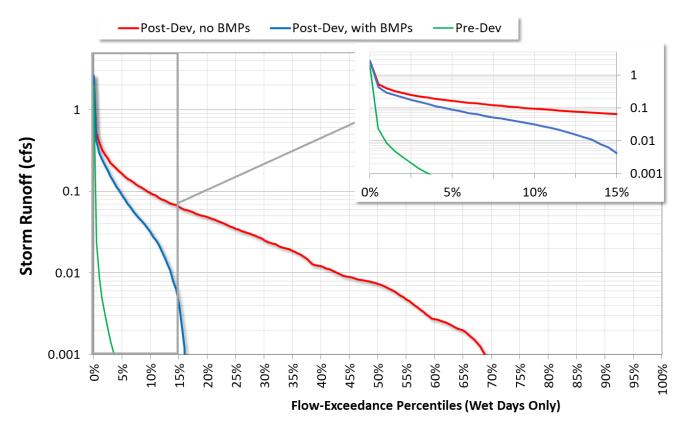
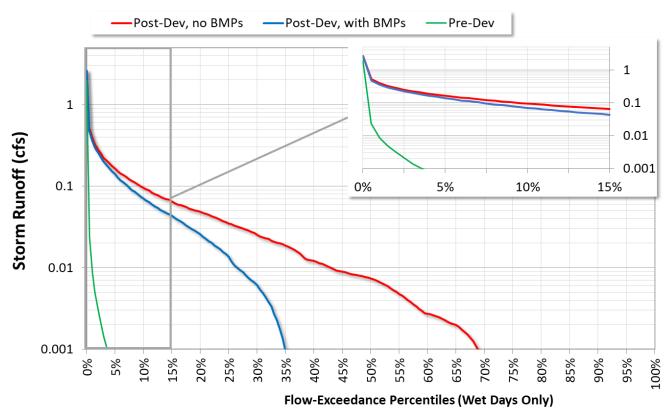


Figure 27. Runoff duration curve for High control level infiltration trench on HSG C with an infiltration rate of 0.17 in/hr.





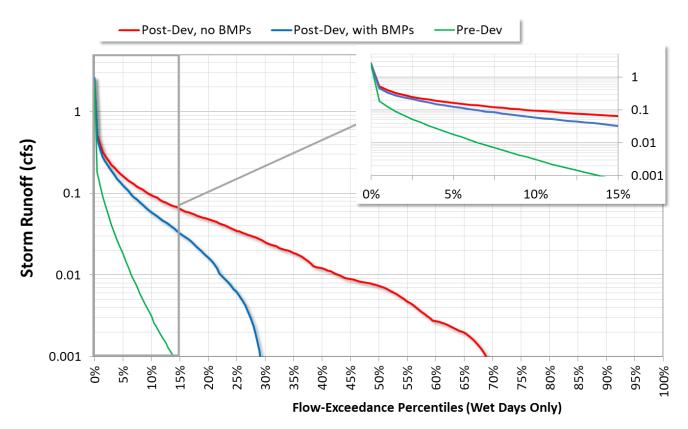
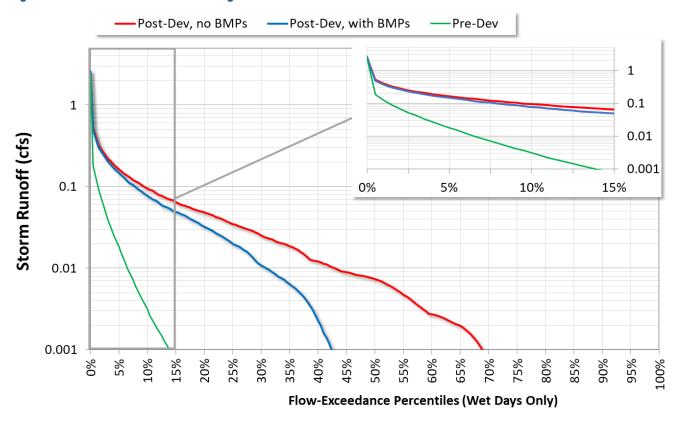


Figure 29. Runoff duration curve for High control level infiltration trench on HSG D with an infiltration rate of 0.1 in/hr.





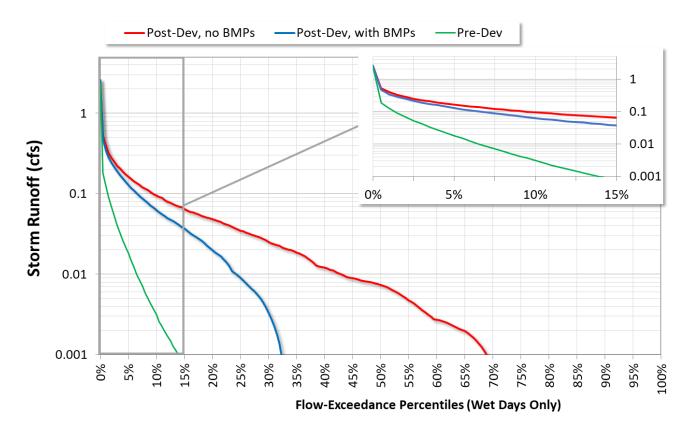


Figure 31. Runoff duration curve for High control level infiltration trench on HSG D with an infiltration rate of 0.05 in/hr.

