



# CHANGE IN EFFECTIVE CROSS SECTIONAL FLOW AREA NON-MODELING WORKSHEET - COMPANION WORKSHEET A

State Form 55237 (4-14)



For Division of Water use: Application # FW- \_\_\_\_\_

This companion worksheet can be used to provide documentation to justify that computer modeling may not be required when the post-construction, cross sectional flow area(s) at the most restrictive segment(s) of the project is larger than the existing cross sectional flow areas both upstream and downstream of the project site.

## 1) Upstream and Downstream Cross Sectional Flow Areas

If the post-construction, cross sectional flow area(s) at the most restrictive segment(s) of the project, as recorded in Question #3 B on the Change in Effective Cross Sectional Flow Area Non-Modeling Worksheet is smaller than the upstream and downstream cross sectional flow areas, the potential for a change to the base flood elevation could result.

To demonstrate that the upstream and downstream cross sectional flow areas are smaller than the post-construction cross sectional flow area(s) at the most restrictive segment(s) of the project, complete the charts below. Use a separate sheet to record additional upstream and downstream cross sectional flow areas if there is more than one restrictive segment of the project.

Cross sectional area	Column 1 Area (square feet)	Column 2 Indicate the Cross Section letter and plan sheet number
Upstream of project	_____sq ft	
Downstream of project	_____sq ft	

As recorded in Question #3 B on the Change in Effective Cross Sectional Flow Area Non Modeling Worksheet, indicate the post-construction cross sectional area(s) **at the most restrictive segment(s) of the project** in the following chart. Use a separate sheet to record multiple restrictive cross sections of the project.

Cross sectional area at the most restricted segment of the project	Area (square feet)
Post-construction conditions	_____sq ft

Submit a separate document if additional project details and/or justifications are necessary to support this non-modeling assessment approach.

Be aware that after reviewing the submitted plans and computations in the worksheet, the Division of Water staff may request additional documentation if sufficient evidence has not been provided that clearly demonstrates the effect that the project may have on the base flood elevation.

\_\_\_\_\_  
Name of Preparer

\_\_\_\_\_  
Date (month, day, year)