

**FLOOD CONTROL MASTER PLAN
COHASSET, MA**

Client: Town of Cohasset, MA

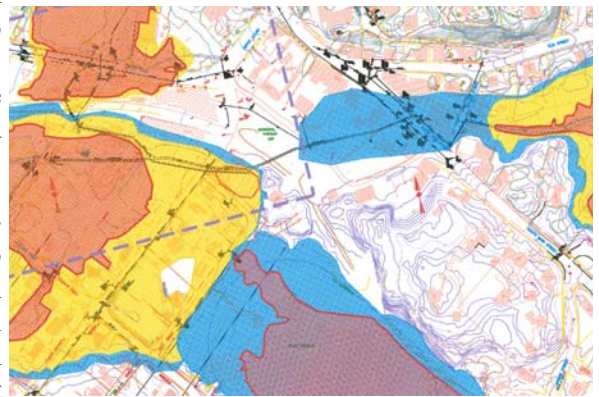
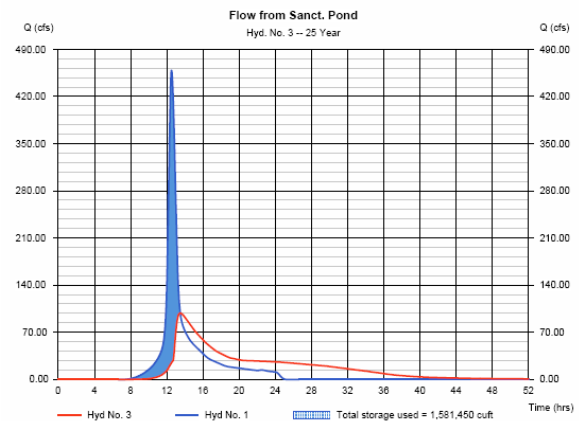
Project Manager:
Daniel J. Coughlin, P.E.

Services included the town wide evaluation and analysis of flood prone areas within the community. Analyses were assembled into a Master Plan format which provided the town watershed based guidance relative to addressing high priority needs within the community for flood control and improved water quality. The Town of Cohasset had experienced significant flooding in its various watersheds and also significant nonpoint pollution emanating from several sub-basins. In order to help control urban stormwater pollution and set priorities for flood prevention measures the town commissioned the flood control master plan to analyze hydraulic and hydrologic attributes of each watershed, identify flood prone areas and devise various cost effective strategies for the prevention and minimization of flooding and non-point pollution within the community.

Flood control strategies also entailed innovative nonpoint pollution control strategies or best management practices (BMP's) to detain, infiltrate and otherwise abate non-point pollution from storm water flows. The town wide study addressed specific high priorities areas in detail, which had been evaluated through various FEMA and Army Corps studies. This independent evaluation provided a secondary opinion for remediation actions in these flood prone areas. The drainage and flood control master plan also provided a town wide GIS base plan set to depict detention and BMP locations within the community and through the master plan establish priorities and costs for the implementation of the proposed strategies. Numerous public meetings and meetings with town officials took place in order to ascertain a consensus regarding flooded attenuation measures. The master plan was provided to the town in digital format for loading on its website for general resident review and perusal. The flood control master plan established funding priorities for the town relative to drainage for the next ten years in order to abate the highest priority areas.

Cost of the study \$80,000.

The extent of improvements proposed by the study totaled over \$10,000,000.



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