



SUSQUEHANNA RIVER
BASIN COMMISSION

TABLE OF CONTENTS

Introduction. 1

Description. 2

Other Studies. 2 - 3

Methods - Data Collection. 4

Methods - Data Analysis. 5

Results and Discussion. 6

Macroinvertebrates. 7

Habitat. 8 -12

Springs. 12

Water Typing. 13

Conclusions. 14

References. 15

Appendix. 15

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Juniata River Subbasin Small Watershed Study: Morrison Cove

*A Water Quality and Biological Assessment,
April 2005 - February 2006*

The Susquehanna River Basin Commission (SRBC) completed a water quality survey in the Morrison Cove (Cove) region from April 2005 through February 2006 as part of the Year-2 small watershed study in the Juniata River Subbasin (Figure 1). The Year-1 survey of the entire Juniata Subbasin was conducted from June to November 2004 (LeFevre, 2005). SRBC selected the Morrison Cove region for the more intensive Year-2 study based on the data collected in the Year-1 survey, and the fact that SRBC identified the Roaring Spring area in Morrison Cove as a Potentially Stressed Area in 2005.

Two primary goals were established for this Year-2 study. The first goal was to provide chemical, biological, and habitat data to state and local government entities, watershed organizations, local citizens, and other interested parties. The second goal was to characterize the hydrology of this area using chemical information, which can be used as a

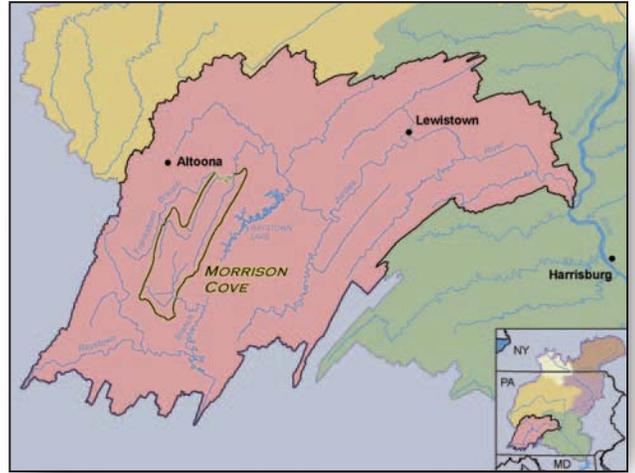
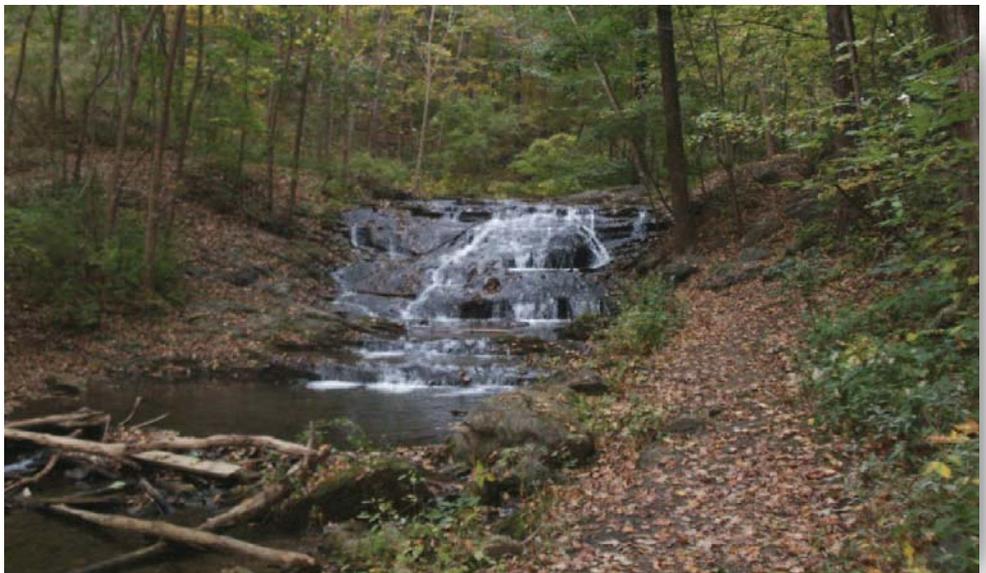


Figure 1. Morrison Cove Location in the Juniata River Subbasin

baseline for future groundwater studies and assist SRBC staff with project review activities. The Year-2 survey included quarterly water chemistry sample collection, discharge measurements, and a macroinvertebrate community and habitat assessment. This report was partially funded by a grant from the U.S. Environmental Protection Agency (USEPA).

For more information on SRBC's Subbasin Survey Program, see reports by LeFevre (2003), LeFevre (2004), and LeFevre (2005). These reports are posted on SRBC's website at <http://www.srbc.net/docs/Publications/techreports.htm>.



Waterfalls near the mouth of Cabbage Creek.