

The pages in this document were taken from the "Corsica River Watershed Restoration Action Strategy: Final Report" published in September 2004. The entire document can be found at http://dnrweb.dnr.state.md.us/download/bays/cr_strategy.pdf.

Corsica River Watershed Restoration Action Strategy: Final Report

**Excerpt Showing an Example of Information
Related to the Watershed Management Plan
Purpose and Process Used Section**

September 2004

II. Methods

Watershed Characterization

The Corsica River WRAS was envisioned to result in a user friendly, GIS driven, responsive and flexible, technical and pictorial product that made simple the abstraction of problem areas for inclusion in implementation grant applications and citizen volunteer driven restoration projects. The watershed is simply defined and comparatively small in area. The first step in developing the Corsica River WRAS was to capture the most current existing conditions in a photographic format. Using digital orthophotography (orthos) coupled with Maryland PropertyView7, ArcView7, and existing detailed topographical surveys of lands within the watershed, a mapping base was compiled which would later be used to identify and quantify watershed attributes like shore buffers, septic system locations, farmed wetlands, impervious areas, and the like. The orthos were intentionally compiled just before autumn leaf drop in order to capture the forest drip-line. Ground control was established by GPS and is permanent.

This was done to ensure that subsequent over-flights to map on-going changes in the watershed could be performed inexpensively and with the high accuracy used in the original mapping. This data was compiled and segmented for use by the DNR and Maryland Conservation Corps (MCC) in the Stream Corridor Assessment. Additional GIS layers were provided by the Town and County. Information contained in the resulting Watershed Characterization is set forth in Table 1. The Watershed Characterization provides useful signposts used in developing the WRAS. The final print publication of the Corsica River Watershed Characterization appeared in May 2004 with electronic publication in Oct. 2003 at: <http://dnr.maryland.gov/watersheds/surf/proj/wras.html>

CORSICA RIVER WATERSHED CHARACTERISTICS CONTENTS

TABLE 1

WATER QUALITY
Water Quality Standards and Designated Uses
Use Impairments and Restrictions
Total Maximum Daily Loads for Corsica River Nutrients
Water Quality Indicators - Setting Priority for Restoration and Protection
Water Quality Monitoring
Water Quality Analysis
Sources of Pollution
Groundwater and Water Supply

LANDSCAPE
Landscape Indicators
Land Use/Land Cover
Impervious Surface
Lands with Significant Natural Resource Value and Large Area
Protected Lands
Soils of the Corsica River Watershed
Wetlands
Tidal Marshes
Floodplains
Low Elevation Areas Subject to Sea Level Rise
LIVING RESOURCES AND HABITAT
Living Resource Indicators
Biological Monitoring in Streams
Fish and Oysters
Sensitive Species
Submerged Aquatic Vegetation
RESTORATION AND CONSERVATION TARGETING
2003 Stream Assessments Conducted by DNR
Agricultural Conservation Programs
Marina Programs
Stream Buffer Restoration