The Magaguadavic River is located in the southwest corner of New Brunswick. The watershed covers 1806 km² and has 103 tributaries and 57 lakes within its boundaries.

Sixteen fish species were found within the Magaguadavic. These include the Atlantic salmon, brook trout, smallmouth bass, American eel, burbot, sculpin, smelt, spiny stickleback, dace, creek chub, common shiner, sunfish, yellow perch, fallfish & white sucker (Magaguadavic Watershed Management Association).

The Eastern Charlotte Waterways community group (ECW) began working with the Department of Environment in 1997 as part of the Outreach and Partnering Program. This program provides the communities with the opportunity to contribute to the management of their own surface water resources.

The Magaguadavic watershed supports many activities such as hiking, camping, boating and fishing.

Summary
- Based on the WQI, 6 sites were excellent, 10 were good, 6 were fair, 2 were marginal and 1 was poor.
- Fair, marginal and poor water quality may be the result of industrial influences throughout the watershed. These include a number of fish hatcheries, a yarn factory, and an inactive mine.
- Of the four key indicators, E. coli did not meet the guideline in 1% of the samples, and pH did not meet the guideline in 26% of the samples. Most of the pH samples which did not meet the guideline were downstream of industrial discharges.

Additional Information
This watershed summary was based on data from the Eastern Charlotte Waterways’ Water Classification report submitted to the Department of Environment in 1999 as well as water quality data collected by the Department of Environment.

For additional information concerning this watershed, please contact the Department of Environment, Sciences and Reporting Branch, at (506) 457-4844. Photos and maps by: Department of Environment.