

## CHAPTER 13

# WATER QUALITY: FLOWS

Environment Canada has been collecting daily water flow information throughout the Province since the early 1900's. Currently, the Aquatic Resources Data Warehouse only contains the locations of Environment Canada's hydrometric stations. Water flow data has not been incorporated as user requirements have not been defined.

### DATA SOURCES

The hydrometric station locations are obtained from Environment Canada.

### POSITIONAL ACCURACY

The positional accuracy of hydrometric stations is based on coordinates provided by Environment Canada. The positional accuracy of the hydrographic spatial data is  $\pm 1.5\text{m}$  to  $\pm 2.5\text{m}$ . Please refer to **SNB's Land and Water Standards Manual** for further details.

### DATA FILES

#### Tabular Data

There is no flow data at this time.

#### Spatial Data

An ArcView shape file was created for the hydrometric stations.

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**NO  
TABULAR  
DATA  
FILES**

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**SPATIAL  
DATA  
FILES**

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## HYDROMETRIC STATION POINTS

The *Hydrometric Station Points* spatial file (hydrometric-sites) is a point coverage representing the locations of hydrometric stations. A point file was created rather than using dynamic segmentation as the points were provided as coordinates.

Field of Information	Description	Dbase Field Name	Field Type (Length . Decimals)	Comments
Internal ID	Internal ID generated by GIS to uniquely identify each point	ID	Numeric (8)	
Hydrometric Station ID	Identifier for hydrometric stations assigned by the Data Warehouse	HymtSiteID	Numeric (4)	
Agency Code	Code for agency who collected the data	Agency_Cd	Character (4)	
Water Body ID	Unique number of the stream where station is located	Water_ID	Numeric (8)	
Water Body Name	Name of the stream where station is located	Water_Name	Character (40)	
Drainage Codes	Drainage system codes representing the drainage unit of the stream	Drainage_Cd	Character (17)	Appendix A

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