

APPENDIX A

DESCRIPTION OF PROJECT FLOWS

## Appendix A

### Benton Falls Hydroelectric project

#### Description of Project Flows

The project is operated as a run of river plant. The downstream release through the turbine-generators plus the excess spill over the dam equals the inflow to the reservoir.

The Sebasticook River basin has a drainage area of 975 square miles and is the largest sub basin of the Kennebec River system. The project is located 5.3 miles from the confluence of the Sebasticook and Kennebec Rivers in Winslow, Maine, and almost 90 percent of the total drainage area (860 miles) is upstream of the site.

Streamflows at the project site are based on daily flow data recorded at U.S. Geological Survey (USGS) surface water Stream Gauging Station No. 01049000. The gauge is located approximately 14 miles upstream of the project site in Pittsfield, Maine, and has a period of record extending back to 1929.