

**General Description**

**General Description:** Stone masonry arch structure approximately 73 feet long with a maximum height of approximately 30 feet and a crest width of 4 feet. Dam includes a 61 foot long broad crested spillway weir. Dam impounds flows of the Mattabesset River in Berlin to create the Paper Goods Pond impoundment. Dam built into natural rock for its entire length. Appurtenant structures include a 16" blowoff near the center of the dam with operator stand adjacent to the left spillway abutment. Also, upstream concrete training walls at each dam abutment.

<b>Hazard Classification:</b>	B, significant hazard	<b>Dam Height (ft):</b>	30'
<b>Dam Length (ft):</b>	73'	<b>Spillway Length (ft):</b>	61'
<b>Spillway Type:</b>	Broad crested free overflow stone masonry arch spillway	<b>Normal Freeboard (ft):</b>	6.2' (Dam abutment walls 122.0' – Spillway 115.8')
<b>Drainage Area (square miles):</b>	9.18	<b>Impoundment Area (at principal spillway crest, in acres):</b>	14.4
<b>Watercourse(s):</b> Mattabesset River			

**OTHER INFORMATION:**

- 1) Dam was constructed in 1890's for industrial water supply.
- 2) Repairs initially made in 1939 included shotcrete coating on portions of dam.
- 3) Repairs made in 1999 included increased lengths and heights of upstream training walls to contain 100-yr storm within dam abutments. Also repairs made to shotcrete, plugged abandoned 48" diameter penstock, plugged abandoned 10" diameter mill supply pipe, replaced stem and guides for 16" diameter blow off valve and provided new concrete operator's stand.
- 4) Owner has completed recommendations from most recent regulatory inspection of 2015.
- 5) Town reports regular maintenance items including cutting of brush at abutments and exercising gate valve.