

### Extracts from Mr. Molesworth's Report.

The entire length of the river from Brantford to Dunnville is 51½ miles; thence to the entrance into Lake Erie by Welland Canal 6 miles—by lock at Port Maitland 200 feet long. The dam at Dunnville has raised the water 9 feet; depth of feeder to the canal is from 7 feet 9 inches to 8 feet 6 inches. No improvement required to Cayuga. Depth of water to that point from 12 to 22 feet.

There are six dams. Their general condition is good, only those at Mount Healy, Indiana and York requiring any repairs.

There are eight locks, and, although built of small rubble stone, with timber bonded through them, with horizontal timbers built on the face of the walls, with floors of timber. Locks from 1 to 5 are on rock foundations. These locks, although built of indifferent material, have kept well together, and can be put in order for the sums given in the estimates. The Brantford Locks, although built of the same materials, have been slighted in their construction and the walls badly put together. The middle and lower locks have had their side walls injured by pressure of earth from behind, which occurred shortly after their construction. Since that they do not appear to have changed, and may stand in the same condition for some time, and in estimate only include a sum for repairs, and not for reconstruction. The chamber of lower lock will have to be deepened for the 4 feet, or 7 feet 9 inches in navigation, and this can only be done by entire reconstruction of the lock, which is included in those estimates.

Estimate No. 1 is for cost of ordinary repairs. This covers cost of putting dams and locks in serviceable condition, without reference to deepening the navigation. Repairs of the locks most urgent:

Indiana Lock.....	One set of new gates.
Seneca Lock. ....	One set lower gates.
Caledonia Lock.....	One set lower gates.
Brantford Upper Lock.....	One set upper gates.
Brantford Lower Lock.....	One set lower gates.