In front of your face, behind your back!
What is it?

Mt. Mary Ann
Water Reservoir

It's the Mt. Mary Ann Reservoir located in the highest hill in the community of Mission. It serves the community of Abbotsford & Mission in a very positive way.

What is the Source?

The source is Cannell Lake, approximately 11 kms straight north from the core of Mission... sort of in line to Cherry Avenue. Cannel Lake is 73 meters higher than the reservoir.

What are some of the structural facts?

- Wall thickness is 500mm (20") and heavily reinforced to withstand earthquakes.
- Concrete Volume is over 1550 m3, equivalent to 155 - 10m3 loads of the large ready mix trucks. Imagine the mixer trucks lined up bumper to bumper across the Mission Bridge in both directions. (1.9 kms).
- Reinforcing steel bars weigh over 428,000 lbs. If laid out, the total length of 1" diameter average would extend from Tim Horton's on the main drag all the way to IKEA, Coquitlam.

How does it benefit the community?

- It improves and helps maintain water pressure to the distribution system during peak demands (in the early morning before you go to work and early evening when you come home).
- It helps secure a supply in the event of interruption.
- Provides emergency reserve to fire fighting.

How critical is its location?

The reservoir is precisely located at the *right* elevation so as to provide maximum benefits to the community. It is strategically located... *low enough* that it is gravity fed... and *high enough* that it provides additional pressure to the distribution system – in both cases without utilizing pump systems (very expensive).

What is it built on?

The reservoir is built on mass bedrock and over 8000 cubic meters of compacted crushed rock blasted off the side of the mountain.

How big is the reservoir structure?

It's capacity is 1.5 million gallons.

- It would more than fill a bathtub full of water for every man, woman and child residing in Mission (pop 48,860).

Its floor area is 1060 square meters (11,406 square feet).

- Equivalent to the playing surface of 4 tennis courts.

The height of the structure is 7.6 meters (25 feet).

- Equivalent to approx. 3 storeys of a building.

You can see it when on Cherry Avenue.

Richard Eustace
Superintendent

Ken Schols
Superintendent

Robert Mortimer
Superintendent

Jeremy Woodman
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. . . and to many others whose work was brief but important.

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