

Project: Proposed Flamborough Quarry Pump Test
Date: Friday July 25, 2008 (Day 5 of Pump Test)

Hydrology Summary (Surface Water and Precipitation)

There was no rainfall observed on-site in the last 24 hours (i.e. between approximately 1 pm on Thursday July 24th, 2008 to Friday July 25th, 2008 at 1 pm).

A storm cell passed through the upper reaches of Mountsberg Creek subwatershed yesterday (Thursday July 24th) afternoon, once again contributing to increased levels in the Mountsberg Reservoir upstream. This in turn has contributed to the continued discharge over the spillway into Mountsberg Creek, as observed at several stations downstream maintaining higher peak flow as summarized below.

The response in Mountsberg Creek continued to peak in the morning of July 25th, 2008 and have continued to rise as verified from the last download at approximately 12 pm with a level of 283.56 masl. This level corresponds to a flow of approximately 1.31 m³/s at Station SW-MC at the northwest corner of the site.

- Water quality results at the creek stations on Day 5 were relatively consistent with results observed the previous 48 hrs (Days 3 to 4) of the pump test. Conductivity levels are still lower than baseline measurements performed on Thursday July 17, 2008, as is typical of a rainfall-runoff response period.