

## Overview of Water Situation in Castlewood's

January 17<sup>th</sup>, 2021

The principal issue is that the water tanks are not refilling overnight. On Saturday 16<sup>th</sup> of January (we did not close system overnight) there was 4ft of water in the tanks at 7am.

This high usage must be considered with the fact that the pumps were running all night pumping 3.6 cubic meters per hour.

The conclusion, though still not definitive, points to a huge usage or leakage overnight. The leakage is the more likely as this is the time when water requirements are minimal.

However, if we close the system overnight we have full tanks and a rested pump at 7am. By lunchtime we are at 6ft and by 8pm about 4ft with pump running all day. This is during the high usage periods, it is also presumed that the continuing leaked water is also included in that daytime volume. This appears to suggest that our issue is not one of domestic capacity.

The information above is relative also to increased consumption during a prolonged lock down period.

We had no incidences over Christmas and the first sign of the problem was on 31<sup>st</sup> December 2020 during the cold and severe frost spell.

The failure to fill overnight seems to be proof enough of a major leak.

### Recommendations

1. Frank Seery has tested main pump and it is performing at full capacity and pumping the desired quantity of water per hour.
2. The closure of the tanks has identified no issue with main tanks.
3. We will request a leakage specialist tomorrow Monday 18<sup>th</sup> January to inspect the main lines and identify a leak if there is an infrastructural problem.
4. We should offer this service to any household who may suspect a problem within their systems
5. We have received notification of a problem with one property.

Comments welcome.

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