

Veolia New Zealand

Wigmore Stream, Hahei

Flow Monitoring Report 21 February 2019



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Site Location:



Overview:

Scott Technical Instruments ('Scottech') has been engaged by Veolia to perform a flow gauging of the Wigmore Stream at the previously established weir and monitoring site, upstream of the waste water treatment plant.

Notes:

The recent site visit was completed on 21 February 2019 for a flow gauging. The weather conditions were fine with no rain or wind. The stream was full of weed with very low flow.

The weir (H Flume) was inspected and was found to be in below average condition – the weir itself is now on a slope falling 35mm over its 670mm length. The electronic monitoring equipment had been removed. The staff gauge was in good condition with no sign of movement.

Due to the very low flow and lack of fall for a volumetric gauging, the flow was calculated by taking a velocity measurement at the mouth of the weir, and measuring the cross-section area of the weir mouth

All times used in this report are New Zealand Standard Time (NZST). Daylight Saving Time is not used at all.

Gauging Results:

Date and Time (NZST)	Stage (mm)	Flow (litres/sec)	Area (sq m)	Velocity (m/sec)
21 Feb 2018 12:05	0.420	3.6	0.0068	0.53

Site Photos:

