

9 May 2018

J000196-026-L-Rev0

Yolanda Burt
Transport and Infrastructure Policy
Planning and Environment Department
Sunshine Coast Council

Email: Yolanda.burt@sunshinecoast.qld.gov.au

**MONTHLY GROUNDWATER MONITORING – INFILTRATION BASIN
EARNSHAW STREET, GOLDEN BEACH**

Dear Yolanda,

Core Consultants Pty Ltd (Core) is pleased to present the results of the twenty fourth round of monthly groundwater level monitoring at the above site. Groundwater levels are continually monitored via a Level TROLL installed in the groundwater monitoring well within the infiltration basin.

The twenty fourth round of data download was undertaken on 2 April 2018 and the raw data was then processed to develop hydrographs depicting groundwater level fluctuations against tidal movements and rainfall events for the past month.

The hydrograph results for March 2018 indicate that groundwater levels within the infiltration basin have been generally at or above the ground surface level. This is likely the results of significant rainfall events recorded during February and March 2018. It should be noted that at the time of download, water was observed above the surface level within the basin. Groundwater levels still appear to be predominantly influenced by localised rainfall events with some minor tidal influence also being observed.

The hydrographs, showing comparisons of groundwater level fluctuations against tidal ranges and rainfall, are attached.

Your attention is drawn to the document Limitations, which is attached to this letter. Should you require any further information, please contact the under signed on (07) 5475 5900.

Yours sincerely,

CORE CONSULTANTS PTY LTD



Samuel Rouse BSc(EnScience)
Environmental Scientist



Josh Mitchell Bsc(Env Science) MEIANZ CEnvP CPSS2
Associate/Senior Environmental Scientist

SR/JM/sr

Attachments: Hydrographs
Limitations