

7 October 2016

J000196-008-L-Rev0

Yolanda Burt
Transport and Infrastructure Policy
Regional Strategy and Planning
Sunshine Coast Council

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

Dear Yolanda,

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

The sixth round of data download was undertaken on 30 September 2016 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 generally indicate that groundwater levels within the infiltration basin are commonly at or slightly below the ground surface level and are 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.Env
Environmental Scientist

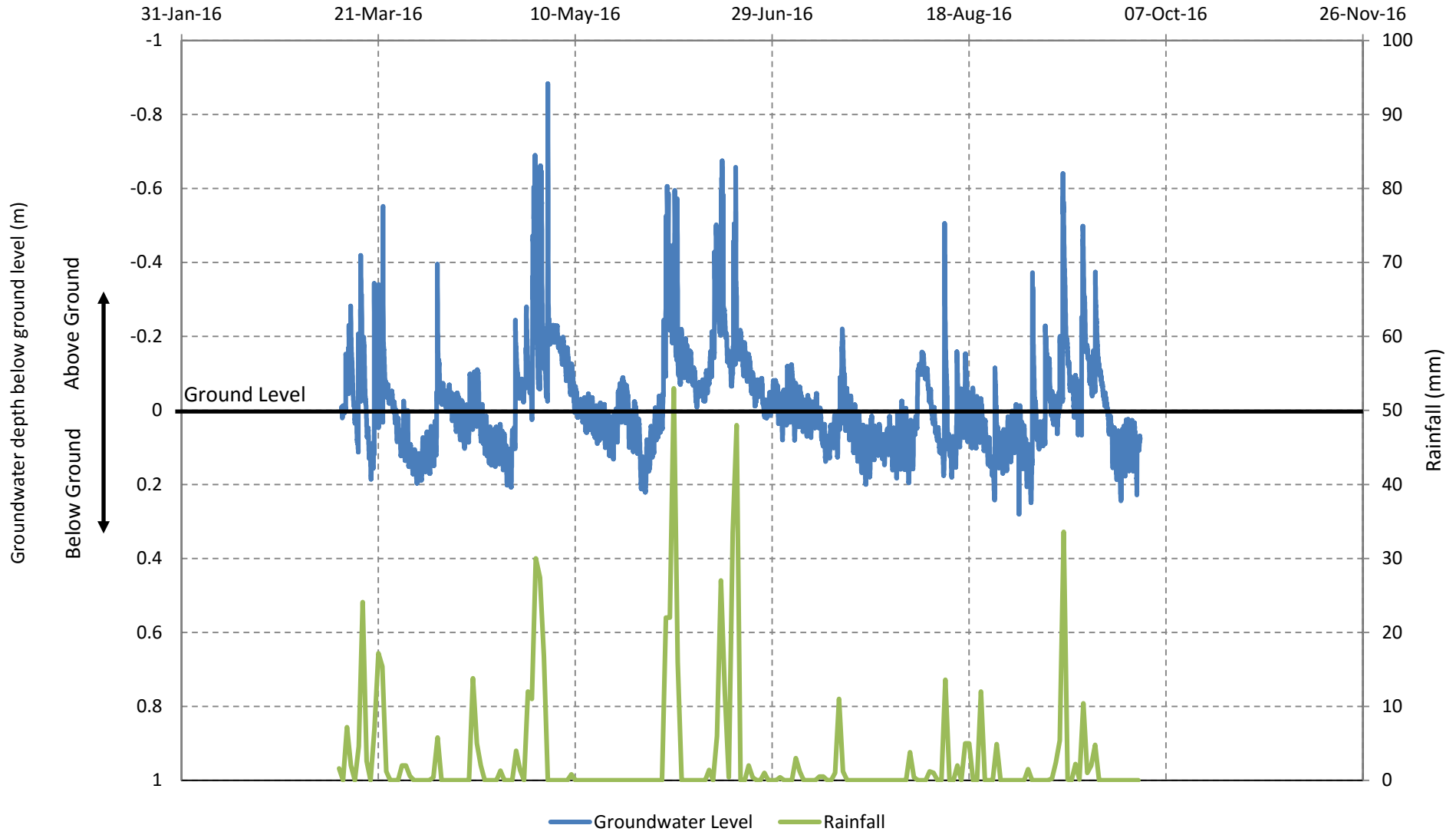
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Attachments: Hydrographs
Limitations

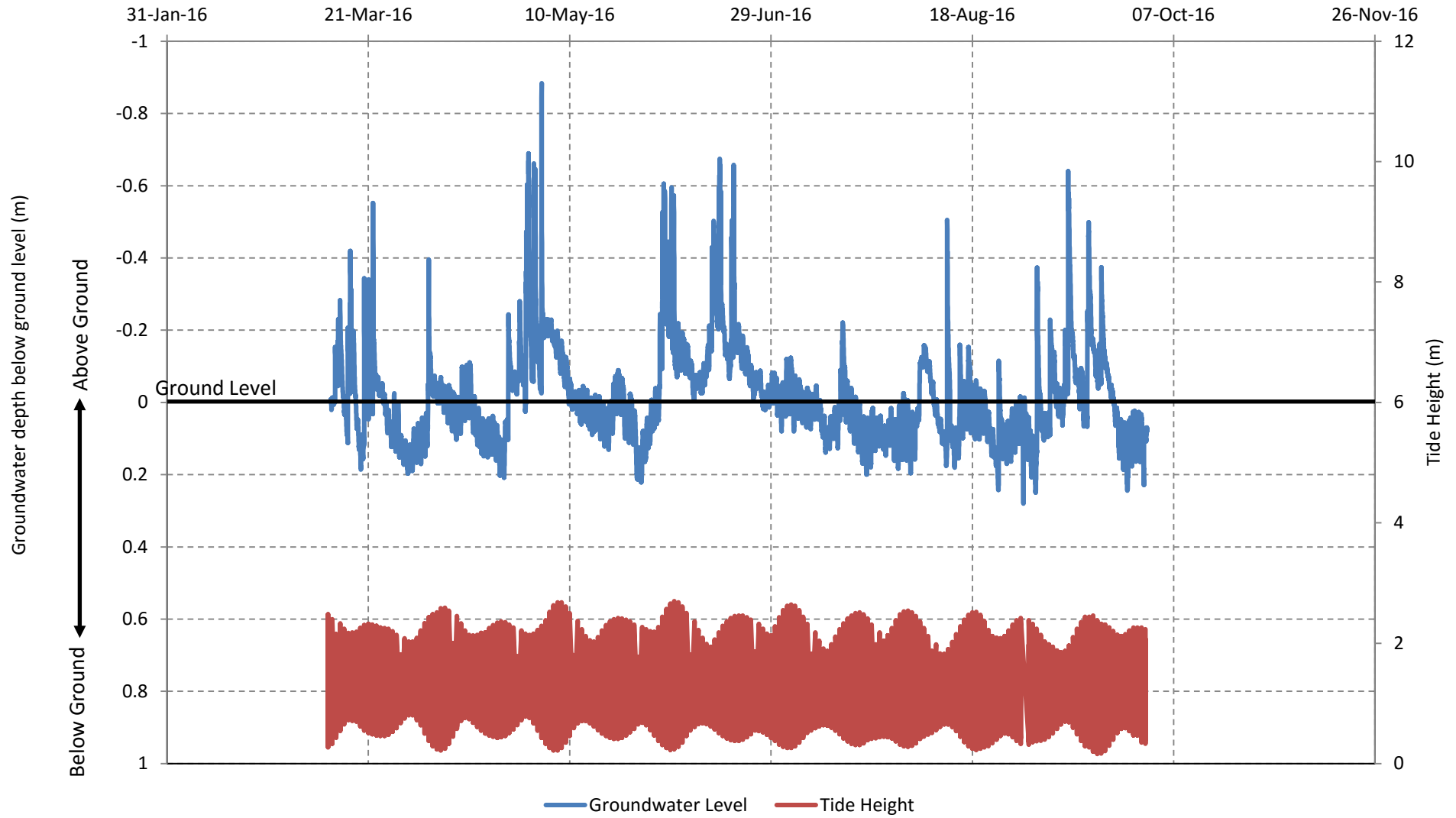


Josh Mitchell Bsc. MEIANZ CPSS2 CEnvP
Associate/Senior Environmental Scientist

Hydrograph for Infiltration Basin (Rainfall)



Hydrograph for Infiltration Basin (Tidal)



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