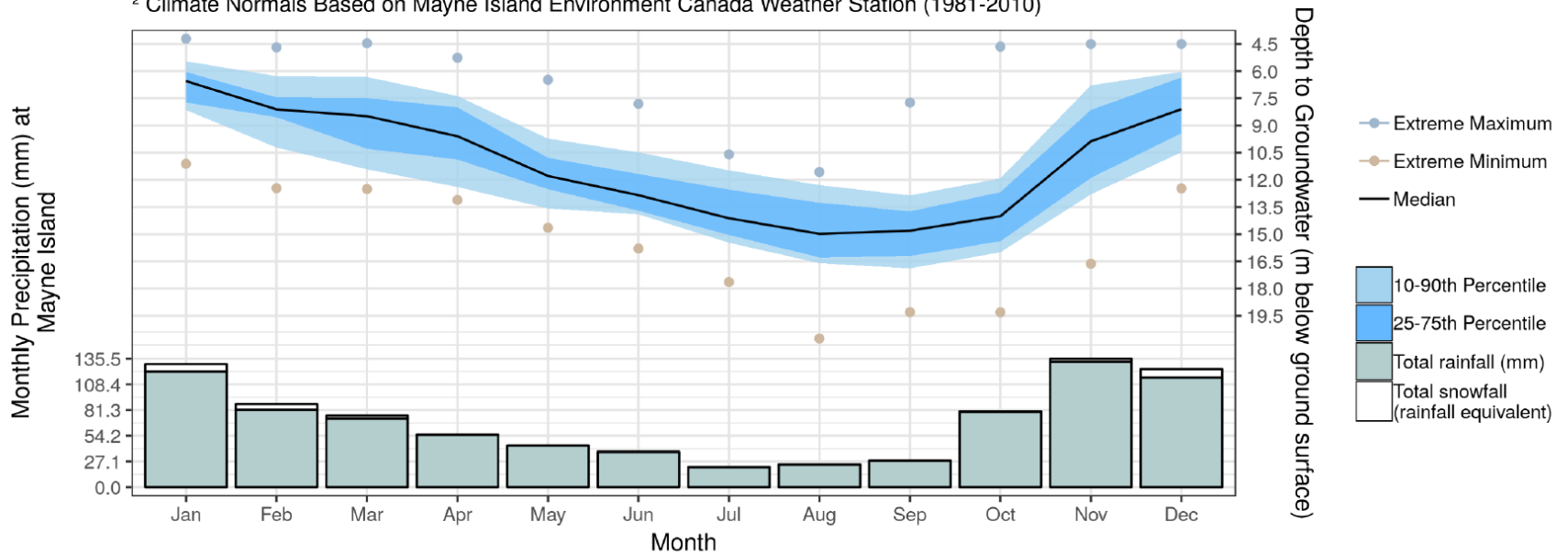


Figure 5. Location of proposed well for development and neighbouring wells. Basemap modified from Ministry of Environment (2018c).

# Monthly Groundwater Level<sup>1</sup> with Precipitation from Climate Normals<sup>2</sup>

<sup>1</sup> Full Monthly Water Level Summary (38 years of data; 1980-2018)

<sup>2</sup> Climate Normals Based on Mayne Island Environment Canada Weather Station (1981-2010)



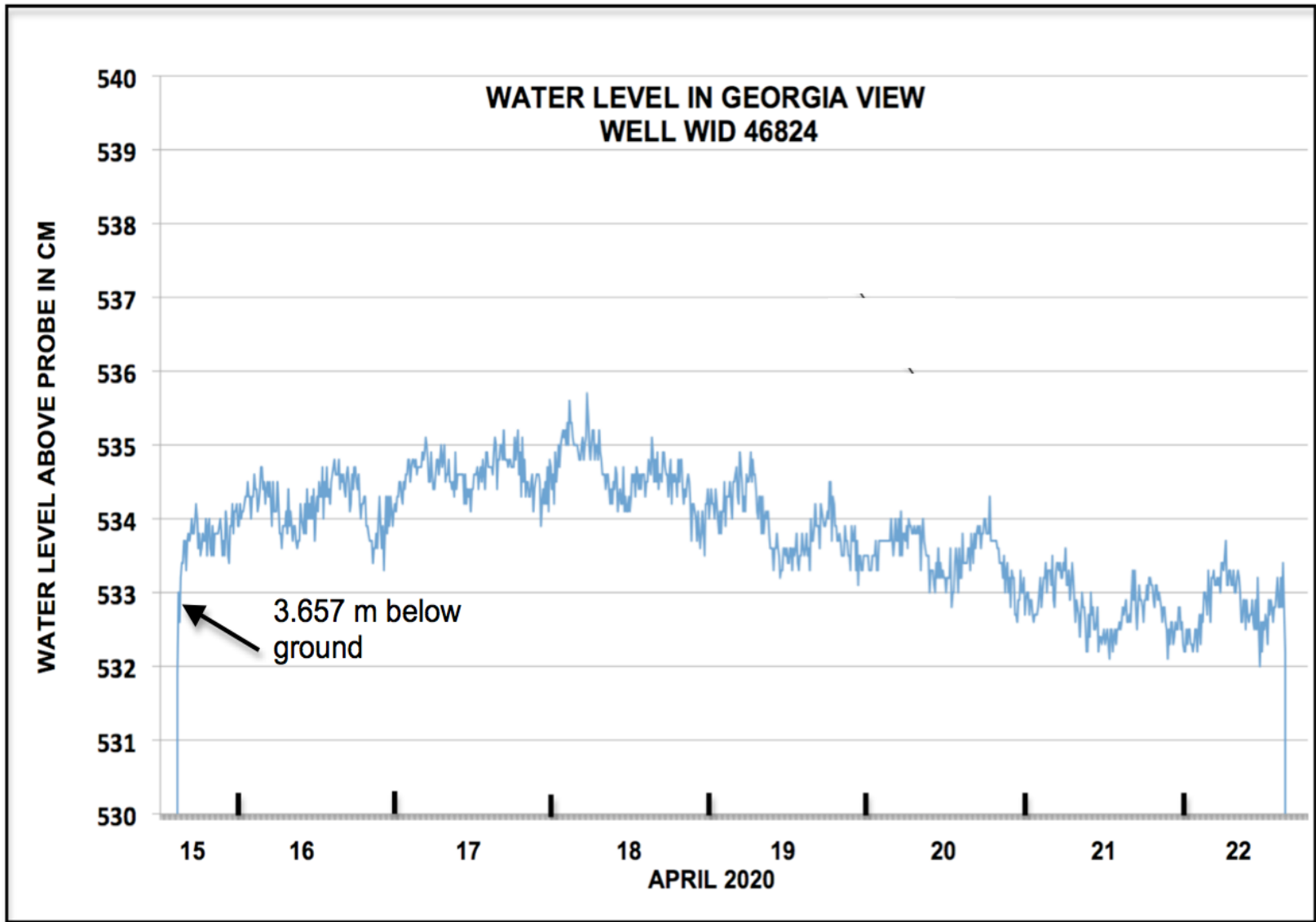


Figure 2. Water levels in project well in April 2020.

**SUMMARY INFORMATION ON PROJECT WELL  
WID 46824, WTN 115952**

**Well Depth:** 220 feet (67.06 m)

**Date of Construction:** September 12, 2018

**Initial Water Level when constructed:** 38 feet (11.58 m) below ground

**Pump Testing:** December 9 to 12, 2018

**Duration and Rate:** 72 hours

1.954 USgpm for first day,

increased to 3.14 USgpm for the second day, and

5.15 USgpm for the last day

Average rate 3.41 USgpm (12.9 L/min)

**Water level at start of test:** 1.85 feet (0.565 m) below ground

**Drawdown at end of test:** 51.94 feet (15.83 m) utilizing 26% of the available drawdown in well

**Estimated Long Term Yield:** 3.41 USgpm (12.0 L/min).

**Housing Project Estimated Demand:** 1.07 USgpm (4.041 L/min)  
Based on 40 Igals/capita/day (32 persons)

Would use 8.1 % of the available drawdown in the well and provide 91.9% safety factor.